Volume 165 No. 18

Oil, Paint and Drug Reporter

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May 3 1954

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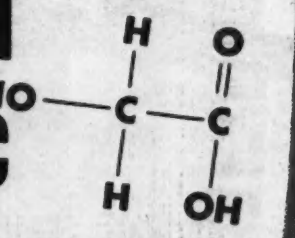

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Oil, Paint and Drug Reporter

Volume 165 No. 18 — 30 Church Street, New York 7, N. Y. — May 3, 1954

Senate Revives Inquiry Into Operations of OAP

The senate last week revived its investigation of the administration of the trading with the enemy act with a view to framing legislation modifying the law for consideration of congress next year. The investigation will be resumed by the senate judiciary committee.

Largely as a result of the many delays in disposing of enemy-owned properties which had been seized by the government during the war, the senate last year launched an inquiry into the operations of the Office of Alien Property and its administration of the law. The investigation led to the filing of a report last January recommending seven legislative proposals for removal of inequities and inconsistencies found to consist in the law and its administration.

Quick Gen'l Aniline Sale Proposed

One of the main recommendations was that authority be given to the Office of Alien Property to sell property seized by the government in advance of final court rulings on ownership and turn the proceeds over to the former owners. This would clear the way for the government to dispose of the General Aniline & Film Corporation, which had been seized during the war on the grounds that it was enemy-owned.

Legislation was drafted in cooperation with the Attorney General to carry out this recommendation of the investigating committee but it failed to advance beyond the introduction stage. The senate's purpose in ordering the investigation resumed is to make possible the re-creation of the investigating committee so that further study can be given the issues involved and a satisfactory solution found. The committee is to report to the senate by January 31, 1955.

Meanwhile agitation for amending the law to relax some of its restrictions on disposing of seized property also is growing in the house. A number of bills providing for exception to the law have been introduced and the sponsors have been demanding that some action be taken on them. A subcommittee of the house interstate commerce committee decided last week that instead of acting on each measure in piecemeal fashion, a general hearing should be held on the whole question of amending the law. Such a hearing will be held later this session.

Potash Salts Deliveries At Peak in First Quarter

The American Potash Institute announced last week that 1,047,320 tons of potash salts containing an equivalent of 614,362 tons of K_2O was delivered during the first quarter of 1954 by the seven major American producers. This was the largest tonnage ever shipped by the producers during any quarter and represents an increase of 17 percent in salts and 18 percent in K_2O over the corresponding period in 1953.

Deliveries for agricultural purposes in the United States, Canada, Cuba, Puerto Rico and Hawaii consisted of 1,088,661 tons of potash salts, equivalent to 590,419 tons of K_2O as compared with 493,572 tons of K_2O in the first three months of 1953. Muriate of potash dominated the tonnage.

Deliveries for chemical purposes amounted to 35,726 tons of salts, equivalent to 22,157 tons of K_2O, a decrease of 21 percent in salts and K_2O under the corresponding period a year ago. Exports to other than "Institute countries" amounted to 2,933 tons of salts containing 1,786 tons of K_2O, an increase of 186 percent in salts and 193 percent in K_2O over 1953.

Deliveries in terms of K_2O by types of material for the first three months compared with the first quarter of 1953 were as follows:—Muriate, 558,638 tons this year against 465,897 tons last year; manure salts, 634 tons against 705 tons; sulfate and sulfate potash magnesium, 31,147 tons against 26,970 tons, making a total for agriculture of 590,419 tons against 493,572 tons; chemical potash, 22,157 tons against 27,970 tons; exports, 1,786 tons against 609 tons, making a grand total of deliveries this year of 614,362 tons against 522,151 tons last year.

Tideland Rehearing Bid Rejected by High Court

The Supreme Court of the United States last week denied the petition to Rhode Island and Alabama for a reconsideration of their tidelands case. Another test of the law, brought by the state of Arkansas, is now pending in the United States District Court for the District of Columbia and it remains to be seen whether the action of the supreme court will have any effect on disposition of that case.

Rhode Island and Alabama had challenged the validity of the submerged lands act (tidelands law) on the grounds that the federal government gave away property which rightfully belonged to all of the states. The supreme court held, however, that the federal government was within its rights to dispose of its property in any manner it might choose.

Fatty Acid Production Reported Down in March

Fatty acid production in March totaled 30,831,000 pounds, a decline of 3.4 percent below the figure for the previous month, according to figures released by the Association of American Soap and Glycerine Producers.

Total disposition in March was 33,957,000 pounds, which was approximately 473,000 pounds below the figure for March, and approximately 2,700,000 pounds below the March, 1953, level. Total stocks amounted to 49,930,000 pounds, including work in progress. This was a decline from 51,561,000 pounds during the previous month.

Interior, Insular Affairs Committee Life Extended

The senate voted last week to extend the authority of its committee on interior and insular affairs until January 31, 1955, to study and investigate fuel reserves and to formulate a fuel policy. The authority, which has been continued from time to time for several years, expired last February 1.

The senate also voted to extend the life of the Malone committee, investigating the availability of critical raw materials, until June 30. The committee plans to end its investigations and hearings by May 31 and file its report by June 30.

Potash 'Dumping' Charges Being Probed by Treasury

An investigation of the alleged "dumping" of east German potash into the United States is being made by the Treasury Department on complaint of the major domestic producers who told the government that they are being threatened with serious injury by the imports, it was made known last week.

In support of their complaint, the companies stated that the east German material was being sold at American ports at $24 a ton, plus freight, whereas in England the price is $39 a ton, plus freight, and, in Denmark, $30.60 a ton, plus freight.

Companies joining in the complaint were American Potash & Chemical Corporation, Los Angeles; Duval Sulphur & Potash Company, Houston, Tex.; International Minerals & Chemical Corporation, Chicago; Potash Company of America, Washington, D. C.; Southwest Potash Corporation, New York, and U. S. Potash Company, New York.

The anti-dumping statute makes it unlawful for foreign merchandise to be brought into the United States at less than a fair value if it is found that such practices are injuring or threatening injury to the American producers. The penalty for dumping is imposition of duties on the foreign product sufficient to bring its prices into line with United States prices. Muriate of potash is presently on the free list under the tariff act of 1930.

A year ago the house agricultural committee investigated imports of east German potash into the United States and issued a report sharply criticizing the State department for not adopting a policy of excluding this material from this country.

Alcohol Plant in Iowa Being Sold by US to Midwest Grain

Sale of the government's huge grain alcohol plant at Muscatine, Ia., to the Midwest Grain Processing Corporation for $655,000 has been agreed to by the General Services Administration. A letter of intent has been signed to this effect by the agency and approval of the sale has been given by the Department of Justice.

Built during World War II, the plant was one of the important sources of alcohol for manufacture into butadiene needed in the production of synthetic rubber. It was designed to produce 850,000 gallons of 190 proof alcohol and by product feeds including 1,200 tons of dried grain seeds and 1,350 tons of dried soluble feeds per month. The plant discontinued alcohol production in 1952.

Midwest Grain Processing Corporation has been the operator of the plant for several years and will use the facilities to produce riboflavin and feed additives.

Additive Control Move Put Off to Next Session

Consideration of legislation for controlling the use of chemicals in foods has been put over until next year by the house interstate and foreign commerce committee to give industry further time to reach agreement on the terms of a bill that can be passed by congress with a minimum of objections.

Postponement was decided upon by Rep. Charles Wolverton of New Jersey, committee chairman and Rep. Joseph O'Hara of Minnesota, chairman of the subcommittee on food and drug legislation, at a meeting of the full committee last week to discuss bills being sponsored by committee members.

Mr. O'Hara is sponsor of one of the two chemical additives control bills before the committee. The other bill is H. R. 2245, introduced by Rep. John Delaney, New York, in January, 1953, which is a re-introduction of the bill he offered in the previous congress as a result of the investigations of his committee. A. L. Miller, Nebraska, plans to introduce a bill but has not presented it yet.

Objections to O'Hara Legislation

At last week's meeting of the committee, Mr. O'Hara explained that a great deal of time had been spent by the food industry in drawing up the bill he introduced several weeks ago, H. R. 8418 (OPD, 3/22/54), but that it had encountered considerable objection from the chemical industry, particularly as to procedures. He said that a new bill is being drafted and that he plans to introduce it when it is completed.

Mr. O'Hara said that he believed that it would be advisable, therefore, that H. R. 8418 and other bills on the same subject be put over until next session. A strong effort is being made by the interests affected to get together and work out their differences, he added, and they should be given this opportunity.

Mr. Wolverton promptly accepted Mr. O'Hara's suggestion. He said that it might be a wise move to put off the matter for awhile because a little delay at this time could very well save much trouble later on. "We have seen the wisdom of this," he commented, "in the pesticides bill which went through the house on the consent calendar."

Chemical Industry Writing Bill

The chemical industry is reportedly making progress in working out the terms of a bill that would be acceptable to all parties concerned, but the details are not ready for publication yet. The O'Hara bill largely represents the views of western food interests and, while some of its provisions are in line with chemical industry thinking, its procedures for enforcement are regarded as objectionable by chemical producers.

Tin Smelter's Continuance Is Aim Of Senate Resolution by Johnson

A congressional move to save the Texas City, Tex., tin smelter from being closed down by the administration was launched in the senate last week by Sen. Lyndon B. Johnson of Texas with a resolution calling upon the government to keep the facilities going until June 30, 1955, while congress makes a broad inquiry into the entire tin situation.

Under existing authority, the government is authorized to continue operation of the smelter until June 30, 1956, but because of the national tin stockpile—estimated to be sufficient to meet needs for five years even in an all-out emergency—the administration proposes to close down the plant later this month.

Whether the government can close down the plant prior to the official termination date is a legal question that has aroused differences between the administration and members of congress who want to see the plant continued. In discussing the matter last week, Sen. Johnson and Sen. J. W. Fulbright of Arkansas said they did not believe it could be shut down legally, but admitted that "there are lawyers who take a contrary position."

Bolivia Renews Tin Offer

Meanwhile, the Bolivian Ambassador, Victor Andrade, renewed his country's offer to supply enough tin in concentrates to keep the plant operating until congress decided upon disposition of the smelter. He met April 28 with Arthur Flemming, director of the Office of Defense Mobilization, and offered to sell the government 4,000 tons of tin in concentrates for delivery up to June 30.

The ambassador said he told Mr. Flemming that Bolivia had 1,100 tons of tin in

—*Continued on page 40*

Bolivian Group Is Trying To Buy RFC Tin Smelter

A Bolivian syndicate is trying to buy the government's Texas City, Tex., tin smelter, President Eisenhower revealed at his April 29 press conference. Mr. Eisenhower indicated that he had gotten the information from a congressman—later identified as Rep. Clark Thompson of Texas.

Rep. Thompson, when questioned by reporters, confirmed the news that negotiations had been going on, but said that he had heard of no concrete offers. A spokesman for the Reconstruction Finance Corporation said that, as far as he knew, no approaches had been made to the US agency by any Bolivian group. The Bolivian Embassy similarly denied knowledge of an acquisition attempt on the part of its nationals.

Titanium Sponge Purchase Program Set Up By Govt.

A purchase program establishing a government-financed titanium sponge "working" inventory was announced April 29 by Arthur S. Flemming, director of the Office of Defense Mobilization.

The program is designed to assure the aircraft industry of a sufficient reserve supply to permit incorporation of the metal of a greater extent than at present in the design of military aircraft and at the same time to provide the producing industry with an incentive for the production of the metal.

Mr. Flemming said he is authorizing the General Services Administration to contract with domestic producers for the purchase, under Defense department specifications, of titanium sponge which becomes surplus to military or atomic energy requirements. He said that the size of the inventory—tentatively set at 4,000 tons—will be reviewed in the light of the new Department of Defense requirements information expected later this year.

Army Chemical Chief Picked

Brig. Gen. William Creasy last week was nominated by President Eisenhower for appointment as chief chemical officer of the United States Army with the rank of Major General. Upon his confirmation by the senate, Gen. Creasy will succeed Maj. Gen. E. F. Bullene, who has been chief for the past three years.

FTC Liberalizes Views Of Price Discrimination

Companies facing complaints before the Federal Trade Commission that they had unlawfully discriminated in prices were given a new defense by the agency last week when it held that there must be a proven reasonable probability of injury to competition in order to sustain such a complaint.

The ruling was handed down in a three-to-one decision dismissing a complaint issued in 1949 against General Foods Corporation, New York, charging it with unlawful price discrimination in the sale of "Certo" and "Sure-Jell," pectin products used in making jellies and jams.

The majority held the evidence failed to show the price differentials had injured or were likely to injure competition. Under section 2(a) of the Clayton anti-trust act, as amended, price discriminations are unlawful only where the effect "may be substantially to lessen competition or tend to create a monopoly . . ." or to injure, destroy, or prevent competition with any person who either grants or knowingly receives the benefit of such discrimination, or with customers of either of them."

Commissioner Mead Dissents

Commissioner James M. Mead dissented, and Commissioner Albert A. Carretta did not participate. The majority opinion, by Commissioner John W. Gwynne, makes clear, among other things, that a "reasonable probability" of injury to competition must be affirmatively proved by counsel supporting the complaint. The opinion rejects the theory that an inference of injury to competition may be drawn from the mere existence of a price differential.

The pricing practice challenged by the complaint involved special cut-price "deals" offered from 1940 to 1947 by General Foods in the western territory—that portion of the United States west of the Rocky Mountains. As summarized in the opinion, these deals authorized General Foods' wholesalers, jobbers and retailers "to sell one additional bottle of Certo for example, for 3 cents when the customer bought two bottles at the regular price." The opinion adds:—

"The net effect of these deals was to sell 'Certo' and 'Sure-Jell' to the consumers in the western territory cheaper than prices maintained elsewhere. Within the chosen area the deals were open to all who wished to buy 'Certo' and 'Sure-Jell.' There is no claim of injury in other than the primary line, that is, to competition between respondent and others en-

—*Continued on page 49*

Int'l Nickel Elects Wingate President, Noblet Treasurer

Henry S. Wingate, vice-president and a director, last week was elected president of the International Nickel Company of Canada, Ltd., Toronto, Ont. Mr. Wingate was also elected to membership on the executive committee of the company and to the presidency of its United States subsidiary, the International Nickel Company, New York. F. M. A. Noblet, assistant treasurer, was elected treasurer of the company and also treasurer of its US subsidiary.

Mr. Wingate succeeds Dr. Paul D. Merica. Mr. Noblet succeeds J. Hutchinson. Both Dr. Merica and Mr. Hutchinson, having reached retirement age, asked that they not be re-elected as officers. However, they will continue as directors and members of the executive committee and will also serve on important projects and as consultants to the officers.

Mr. Wingate joined International Nickel in 1935 as assistant secretary of the parent company and as assistant to the president of its US subsidiary. In 1939, he was elected secretary of the parent concern, a director in 1942 and vice-president in 1949. Mr. Noblet has been assistant treasurer of the International Nickel Company of Canada, Ltd., since he joined the company in 1942.

Chain Drug Store Ass'n Re-elects Slate of Officers

The National Association of Chain Drug Stores, at its recent twentieth anniversary meeting in Hollywood Beach, Fla., re-elected all officers and members of the board of directors whose three-year terms had expired.

The new officers include:—President, S. J. Besthoff, president of Katz & Besthoff, New Orleans, La.; vice-president, G. B. Burrus, president of Peoples Drug Stores, Inc., Washington, D. C. Carl Willingham was again chosen secretary and treasurer, and chief executive officer.

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Fuel Group Names Officers, Takes Stand on Oil Imports

The Governors' Permanent Fuel Conference has elected Gov. John S. Fine of Pennsylvania chairman, named an executive committee, and passed a resolution designed to discourage increasing imports of foreign residual oil. Gov. William C. Marland of West Virginia was elected vice-chairman and Gov William C Stratton of Illinois, secretary.

The following were named to the executive committee: — Gov. Frank J. Lausche, Ohio; Gov. Lawrence W. Wetherby, Kentucky; Gov. George N. Carig, Indiana; Gov. Johnston Murray, Oklahoma; Govs. Stratton and Marland. Gov. Fine will serve as ex-officio member of the executive committee.

The conference passed a resolution urging members of the congressional delegations from affected states to "use their best offices in obtaining immediate legislative action" against increasing imports of foreign residual oil that have inflicted "great damage" on the coal industry.

Nat'l Starch Picks Two For Key Executive Roles

National Starch Products, Inc., New York, has elected James Dillon vice-president and S. A. Segal to fill Mr. Dillon's former position as secretary. Mr. Dillon has been associated with National Starch since 1938. He served first in manufacturing, later as manager of the mid-western division at Chicago, and then returned to the executive offices as director of personnel relations. His latest position was secretary and director of synthetic resin development.

Mr. Segal was with the Department of Agriculture from 1936 until he left to join the staff of the Office of Price Administration in Washington, D. C., in 1941. He has been with National Starch since 1947.

Armour Labs Appoints Haines Technical Head

Dr. William J. Haines has been appointed technical director of Armour Laboratories, Chicago, and will take over his duties June 15.

Dr. Haines began his career with Upjohn Company, Kalamazoo, Mich., as a research chemist and group leader and has been head of the Upjohn department of endocrinology since 1950. Dr. Haines will have supervision over medical work, research, process development and quality control at Armour.

Monsanto of Canada Puts Roberts in Secretary's Post

Alexander C. Roberts has been appointed secretary of Monsanto Canada, Ltd., Montreal. The office of secretary was previously combined with that of treasurer, held by J. P. Shea, who retains the title and responsibilities of treasurer. The division of responsibilities was necessary owing to the increased pressure and complexities of the company's affairs, it was said. From 1946-1951 Mr. Roberts was assistant secretary with Imperial Chemical Industries (India), Ltd. Going to England in 1952, Mr. Roberts joined Fisons, Ltd., as assistant in the commercial department, remaining there until 1953 when he went to Canada and joined Monsanto.

Benzidine Yellow Ingredients Being Produced by Carbide

Acetoacet-o-anisidide and acetoacet-m-xylidide are now being produced in this country and are available from Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation. Until now, most supplies of these compounds had been imported.

Both are important in the manufacture of yellow benzidine pigments. Prices of these materials in less than carload lots of 500 pounds or more are as follows:—Acetoacet-o-anisidide, $1.80 per pound; acetoacet-m-xylidide, $3 per pound. In quantities of less than 500 pounds, acetoacet-o-anisidide is $1.05 per pound, and acetoacet-m-xylidide is $3.25 per pound. All prices are f.o.b. South Charleston, W. Va.

Emery Industries Moves Two in Sales Department

Emery Industries, Inc., Cincinnati, Ohio, has given J. E. Quinty sales responsibility for all of Emery's fatty acids and deviratives, plasticizers and textile oils in northeastern Pennsylvania and parts of New Jersey, and has appointed W. J. Major to its chemical staff.

Allied Equalizes Freight

Nitrogen Division, Allied Chemical & Dye Corporation, New York, as of May 1 began equalizing freight on anhydrous ammonia against a new producing point—Philadelphia. The action, the company stated, will save tankcar users of anhydrous ammonia in that area a substantial amount of freight.

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Price Index Up Again

The overall OPD price index continued to move up, as it advanced last week 0.27 point to stand at 109.77. Edible oils in the oils, fats and waxes market were advanced sizeably, lending the greatest strength to the upward movement of this group. Related materials gaining were cottonseed meal, oleo stearine, edible tallow, bees and Ouricury waxes, and peanut and soybean meals. Copra and lard declined, as did coconut, oiticica, soybean and tung oils. Changes in the heavy chemicals sections were confined to an advance in mercury.

Singapore dammar gum was increased in the protective coatings market, together with several grades of shellac. There were no reductions in this group. Partial aromatic solvents in the East Coast area were lowered in the petroleum derivatives section, which witnessed no other changes. The technical grade of egg albumin declined in the textile and leather chemicals market, while egg albumin flake and yolk, as well as Idaho potato starch advanced. A decline in parathion was noted among agricultural chemicals. Dried blood, bone meal and tankage were raised in this group. The coal chemicals group was without price change.

ACTH in bulk form was lowered in the drugs and fine chemicals section. Crude iodine was also lowered in this group, and there were no advances. Reductions among essential oils included birchtar, cardamom, geranium, grapefruit, peppermint, spearmint and Bourbon vetiver oils. White and sassafrassy camphor oils were advanced, as were cedarwood, ocotea cymbarum and artificial sassafras oils. Cassia, mace and nutmeg were among the seeds and spices moving upward. Caraway, ginger, pimento and poppy dropped, as did red and white pepper.

Prices Advanced

Bone meal, steamed, dom., $2 per ton (39).
Cassia, Batavia, cuttings, ½c. per lb. (58).
  Longstick, cracked, ½c. per lb.
  Shortstick, cracked, ½c. per lb.
Cottonseed meal, $1 per ton (65).
Dried blood, N. Y., 15c. per unit of ammonia (39).
Egg albumin flake, 4c. to 6c. per lb (45).
  Yolk, 6c. to 10c. per lb.
Gum, dammar, Singapore, No. 1, 1c. per lb. (63).
Mace, Siauw, No. 1, 3c. per lb. (58).
Mercury, $5 per flask (34).
Nutmeg, East Indian, whole, 2c. per lb. (58).
Oleo stearine, 3c. per lb. (65).
Oil, camphor, sassafrassy, 2c. per lb. (58).
  white, 2c. per lb. (58).
  Cedarwood, 5c. per lb. (58).
  Ocotea cymbarum, 3c. per lb. (58).
  Oleo, 4c. per lb. (65).
Peanut meal, $2 per ton (65).
Potato starch, Idaho, ½c. per lb. (45).
Shellac, lemon, No. 1, 1c. per lb. (63).
  No. 2, 1c. per lb.
  Superfine, 1c. per lb.
  TN, 1c. per lb.
Soybean meal, $3 per ton (65).
Tallow, edible, 2½c. per lb. (65).
Tankage, 25c. per unit of ammonia (39).
Wax, bees, crude, Central America, 1c per lb. (65).
  Ouricury, refd., 2c. per lb.

Prices Reduced

ACTH, bulk, $5 per gram (51).
Caraway seed, Dutch, ¼c. per lb. (58).
Cardamom seed, decorticated, Guatemalan, 10c. per lb. (58).
  Green, Aleppey, 10c. per lb.
  Ceylon, 10c. per lb.
Celery seed, Indian, ½c. per lb. (58).
Copra, $2.50 per ton (65).
Egg albumin, tech., 2c. per lb. (45).
Ginger root, Jamaican, No. 2, 1c. per lb. (58).
  No. 3, 2c. per lb.
  Nigerian, split, 1c. per lb.
Iodine, crude, 15c. per lb. (51).
Lard, 1¼c. per lb. (65).
Oil, birchtar, crude, 15c. per lb. (58).
  rectified, 65c. per lb. (58).
  Cardamom, $4 per lb. (58).
  Coconut, crude, ⅜c. to ½c. per lb. (65).
  Geranium, Bourbon, 50c. per lb. (58).
  Grapefruit, 10c. per lb. (58).
  Oiticica, ¼c. per lb. (65).
  Peppermint, nat., 15c. per lb. (58).
  Soybean, crude, ⅛c. per lb. (65).
  Spearmint, USP, 65c. per lb. (58).
  Tung, ¼c. per lb. (65).
  Vetiver, Bourbon, 75c. per lb. (58).
Parathion, 15% spray powder to dealers, 5c. per lb. (39).
Pepper, red, Japanese, birdseyes, 1c. per lb. (58).
  Nigerian, 1c. per lb.
  White, 3c. per lb.
Petroleum, solvents, partial aromatic, East Coast, N. Y., N. J., ½c. to 3½c. per lb. (41).
Pimento, Jamaica, 3c. per lb. (58).
  Mexican, 1c. per lb.
Poppy seed, Dutch, ¼c. per lb. (58).
  Polish, ¼c. per lb.
  Turkish, ½c. per lb.

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100—1949 average)

April 30, 1954	April 23, 1954	May 1, 1953
109.77	109.50	106.60

Union Carbide Elevates Two

Union Carbide & Carbon Corporation, New York, has elected Kenneth H. Hannan vice-president and John F. Shanklin, treasurer. Mr. Hannan, who had been secretary and treasurer since 1952, continues as secretary. He joined the law department of the company in 1936. Mr. Shanklin joined the concern in 1934, and has been assistant secretary and assistant treasurer since 1952.

AIC Parley This Month To Honor Dr. Sparks

The American Institute of Chemists has announced the program for its annual meeting this month at which Dr. William J. Sparks, co-developer of butyl synthetic rubber, will receive the 1954 Gold Medal of the institute.

The presentation will be made on the final day of the May 12-14 meeting in the Berkeley-Carteret hotel, Asbury Park, N. J., by Dr. Gustav Egloff, past president of the institute. Dr. Sparks is director of the chemical division of Standard Oil Development Company, Linden, N. J., and chairman of the division of chemistry and chemical technology of the National Research Council.

Dr. Lincoln T. Work, retiring AIC president, will be toastmaster at the presentation dinner and speakers will include Dr. Carl S. Marvel, professor of organic chemistry at the University of Illinois, and Dr. E. V. Murphree, president of Standard Oil Development Company.

The opening day will be devoted to registration, the president's reception and a dinner meeting of the national council and board of directors.

Annual Business Meeting

The second day will begin with the annual business meeting and the announcement of the election of new officers and councilors. This will be followed by a luncheon at which Dr. August Merz, consultant to American Cyanamid Company, will speak on "The Historical Background of the Chemical Industry in New Jersey."

In the afternoon a panel session will be held on "Legal Aspects of a Chemist's Life," with Dr. George L. Royer, administrative assistant to the general manager of the research division of American Cyanamid Company, serving as chairman. The following papers will be presented:—"Report of the Sub-committee of the Employer-Employee Relations Committee on Contracts," by Dr. Lloyd A. Hall, technical director for Griffith Laboratories, Inc.; "Contracts From a General Point of View," by Richard H. Gregory, jr., counsellor at law, Union Carbide & Carbon Corporation; "Patents From a Legal Point of View," by John T. Kelton, New York patent attorney, and "The Law and Personal Problems," by W. E. Fairbanks, assistant secretary and general counsel, Thomas J. Lipton, Inc. The balance of the day will be devoted to social activities.

On May 14 there will be a panel discus-

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Pitts. Coke Makes Avery Coal Chemicals Unit Head

Henry Avery has been appointed manager of the coal chemicals division of Pittsburgh Coke & Chemical Company, Pittsburgh, Pa. Mr. Avery is replacing Alan S. Evans, who has resigned to join Neville Chemical Company as vice-president in charge of sales (see article elsewhere on this page).

Mr. Avery has been manager of the company's plasticizer division since 1951, when he joined the company, and will continue to carry these responsibilities as well as those of manager of the coal chemicals division. He had previously been employed by Godfrey L. Cabot, Inc.

Neville Sales Vice-Pres.

Alan S. Evans, jr., has been elected vice-president in charge of sales for Neville Chemical Company, Pittsburgh, Pa., effective May 10. Since 1942, Mr. Evans had been associated with the coal chemicals division of Pittsburgh Coke & Chemical Company, most recently as manager of the division.

Hydroxyethyl Cellulose Now Available in Low-Salt Form

A new, low-salt type of powdered "Cellosize" hydroxyethyl cellulose is now commercially available according to a recent announcement by Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York.

The new material is described as a water-soluble, light-colored, free-flowing powder containing 90 percent hydroxyethyl cellulose. It is currently being offerred in three viscosity types, designated —"Cellosize WP-09" (viscosity of a 5 percent solution is approximately 100 cps. at 20°C.); "Cellosize WP-3" (viscosity of a 5 percent solution is approximately 300 cps. at 20°C.), and "Cellosize WP-300" (viscosity of a 5 percent solution is approximately 30,000 cps. at 20°C.).

It is expected by Carbide that these new, low-salt powders will replace the older solution types of "Cellosize" hydroxyethyl cellulose. The new material is reportedly outstanding as a thickener, stabilizer, film former, dispersant, and binder in aqueous systems.

Styrene Plant Unveiled By Foster Grant in La.

Foster Grant Company, a major producer of molded thermoplastic products, officially unveiled its new styrene monomer plant at Baton Rouge, La., last week. The new unit, reputedly the first such installation to be built without government funds since World War II, will turn out monomer for the Foster Grant plant in Leominster, Mass., where it will be converted into polystyrene for subsequent use in the firm's line of molded plastic products.

Washington Talks It Over

By Ralph L. Cherry

The Attorney General's National Committee to Study the Antitrust Laws is contemplating no general overhaul of the antitrust laws, but what it does do may be just as important. Primarily its aim is to clarify antitrust policy and to this end it will seek to resolve conflicts and ambiguities in the statutes, court decisions and enforcement policies. This clarification may involve recommendations for legislative amendments, but more than likely most of its recommendations will be limited to changes in interpretation, enforcement policy and court room procedures.

An insight into the workings of the committee was given to the delegates to the US Chamber of Commerce in convention last week by S. Chesterfield Oppenheim, co-chairman, who more or less advised them to look for some important results from the study, but, at the same time, cautioned them against accepting any reports they might now hear that the committee is going to recommend this or that change in the law or interpretation of law.

There is still much study and work to be done before the committee reports to the Attorney General later this year. Only three of the task groups have completed their work and others are not expected to finish for several weeks. The task group reports are worked over by the committee chairmen and then worked over again by the entire committee to be consolidated and modified for inclusion in the final report.

Some of the areas in which committee action can be looked for are in the tests of illegality under the Robinson-Patman act, including the definition of price, injury to competition versus injury to individual competitors, the defense of meeting competition, the criminal liability for price discrimination, impact of the McGuire act on national antitrust policy, and refusals to deal.

There is also the question of what does "good faith" require of the seller? Can a seller meet his competitor's lower prices as frequently as they exist? Can the seller undercut his competitor's lower price? And does "price" mean only the exact monetary price, or does it take into account brand preferences and other factors relevant to non-price competition.

These and hundreds more questions of equal significance are all being put under analysis by the task groups. The results

—Continued on page 32

Jackson Succeeds Hamilton As Vice-President of CSC

Commercial Solvents Corporation, New York, has named W. Ward Jackson a vice-president of the company. Mr. Jackson will direct CSC's petrochemicals division. Previously he was general manager of the concern's industrial chemicals sales department, a unit of this division.

Mr. Jackson succeeds Abbott K. Hamilton, who has resigned as vice-president and director of Commercial Solvents and president and director of Commercial Distillers to resume operations of the busi-

W. Ward Jackson

ness consultant firm bearing his name. For twenty-two years, prior to joining CSC in 1951, Mr. Jackson held sales and executive posts in the chemical industry.

During World War II, Mr. Jackson served in an advisory capacity as special assistant to the vice-chairman of the War Production Board and as consultant to its Chemical Bureau, Aircraft Production Board and Facilities Bureau. Following the war, he was chemical consultant to the National Production Authority's chemical division.

Mr. Hamilton has been associated with Commercial Solvents and predecessor companies for twenty-seven years. His firm, A. K. Hamilton & Co., which he is rejoining, will act as consultants, specializing in business evaluation.

Intercontinental Acquires Interest in Metro Dyestuff

Dr. H. W. Grimmel, president of Metro Dyestuff Corporation, West Warwick, R. I., has announced that Intercontinental Chemical Corporation, New York, has acquired an interest in Metro Dyestuff. Intercontinental Chemical Corporation is connected with Farbwerke Hoechst A. G., Frankfurt, west Germany.

It is expected that through this connection certain research facilities in the development of new products in the dyestuff field will be made available to Metro, it was said. Sales of Metro Dyestuff Corporation materials will continue to be made by Metro-Atlantic, Inc., and other established trade channels. There will be no change in management. Dr. E. P. Sommer, of Intercontinental Chemical Corporation, has been appointed vice-president of Metro Dyestuff.

Rutile Deposit in Mexico Acquired by Republic Steel

Republic Steel Corporation, Cleveland, Ohio, has acquired a large deposit of rutile in Mexico for the extraction of titanium. The company said this is the largest deposit of rutile that has yet been found in the Western Hemisphere. The deposit is in the Province of Oaxaca, about thirty miles from Port Angelo on the Pacific Coast. It comprises several thousand acres and contains millions of tons of crude ore containing rutile in various degrees of purity.

The company also announced that it has engaged Dr. Robert P. Petersen to study and develop the use of nuclear materials in steel production. Dr. Petersen presently is chief of the industrial and production reactors branch of the division of reactor development of the Atomic Energy Commission.

Grace Output Due in Fall

This autumn is now the target date for the first ammonia and urea production from Grace Chemical Company's new plant now under construction near Memphis, Tenn. The new schedule was revealed in the annual report of Grace Chemical's parent organization, W. R. Grace & Co., New York, issued to stockholders last week.

Aluminum Antitrust Suit Is Settled by US, Alcoa

Attorney General Herbert Brownell, jr., last week announced the entry of a consent order in the government's antitrust action against Aluminum Company of America and Aluminum Import Corporation, selling agency of Aluminium, Ltd., of Canada.

Chief judge John C. Knox signed the order in the federal court at New York in the latest phase of the monopoly case which originally commenced April 23, 1937. Alcoa, Aluminum Import and Aluminium agreed to the order.

Last July the Attorney General petitioned the court for relief against a contract entered into between Alcoa and Aluminum Import, a Canadian company. That contract provided that Aluminum Import would sell to Alcoa, over a period of six years, 600,000 tons of aluminum. The government's petition sought relief against this contract on the ground that it tied Alcoa to the Canadian company despite the fact that an earlier court order had provided that ownership and control of the Canadian and American companies should be completely separated in an effort to restore competition.

Key Provision of Decree

Most important provision of the new consent order to independent fabricators is that Aluminum Import shall, for each year from 1954 through 1959, make available to independent aluminum consumers in the United States who do not have facilities for smelting aluminum ingot, not less than 110,000 tons of this metal and that this obligation shall take precedence over Aluminum Import's obligations to Alcoa under the contract.

Other provisions of the consent order are:—

1. Alcoa shall immediately make an offer to sell to Olin Industries, Inc., up to 40,000 tons of aluminum ingot during each of the years 1954 through 1957, and 20,000 tons in 1958, to enable Olin to become a new competitor in aluminum fabrication.

2. Alcoa shall not, without the consent of the Attorney General, enter into any new contract with the Canadian company until the Attorney General has had an opportunity to study it and determine whether to apply to the court for any orders modifying or cancelling the contract.

In commenting on the entry of the consent order, Mr. Brownell said:—

History of Litigation Reviewed

"Last year Alcoa, without approval of the federal court which had retained jurisdiction over Alcoa in antitrust litigation, entered into a long-term contract with the Canadian company to purchase 600,000 tons of aluminum over a period of six years. It was clearly undesirable from a competitive standpoint that the interests of Alcoa and the Canadian company should be united by means of this long-term contract. It was also undesirable

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Butadiene Project in Texas Weighed by Private Interests

A modern, privately financed petroleum butadiene plant is being considered for installation in Texas, backers of the proposed unit announced in Los Angeles last week. If constructed, the plant would be designed for a potential of 80,000 tons per year, and would be operated initially at a design rate of 40,000 tons per year.

Backers of the project include William R. Staats & Co. of Los Angeles, Purvin & Gertz of Dallas, Tex., and other interests. The Fluor Corporation, Ltd., Los Angeles engineering and construction firm, has been selected to make preliminary estimates and economic studies of the project. Purvin & Gertz is acting as consulting engineer. Facilities currently under consideration consist of a complete butadiene unit to be self-sufficient in all respects for power and fuel.

There are, at the present time, eight government-owned petroleum butadiene plants which have a total annual capacity of 529,000 long tons. This tonnage is providing all the petroleum butadiene needed to operate the thirteen existing copolymer plants which actually make the rubber end-product. The government, however, is planning to quit the synthetic rubber business, under disposal legislation enacted last year.

Backers of the proposed project believe that original output of the plant could be used to produce plastics, nylons and plastic paints. Their long-range plans call for stepping up production and fulfilling the needs of the rapidly expanding synthetic rubber market.

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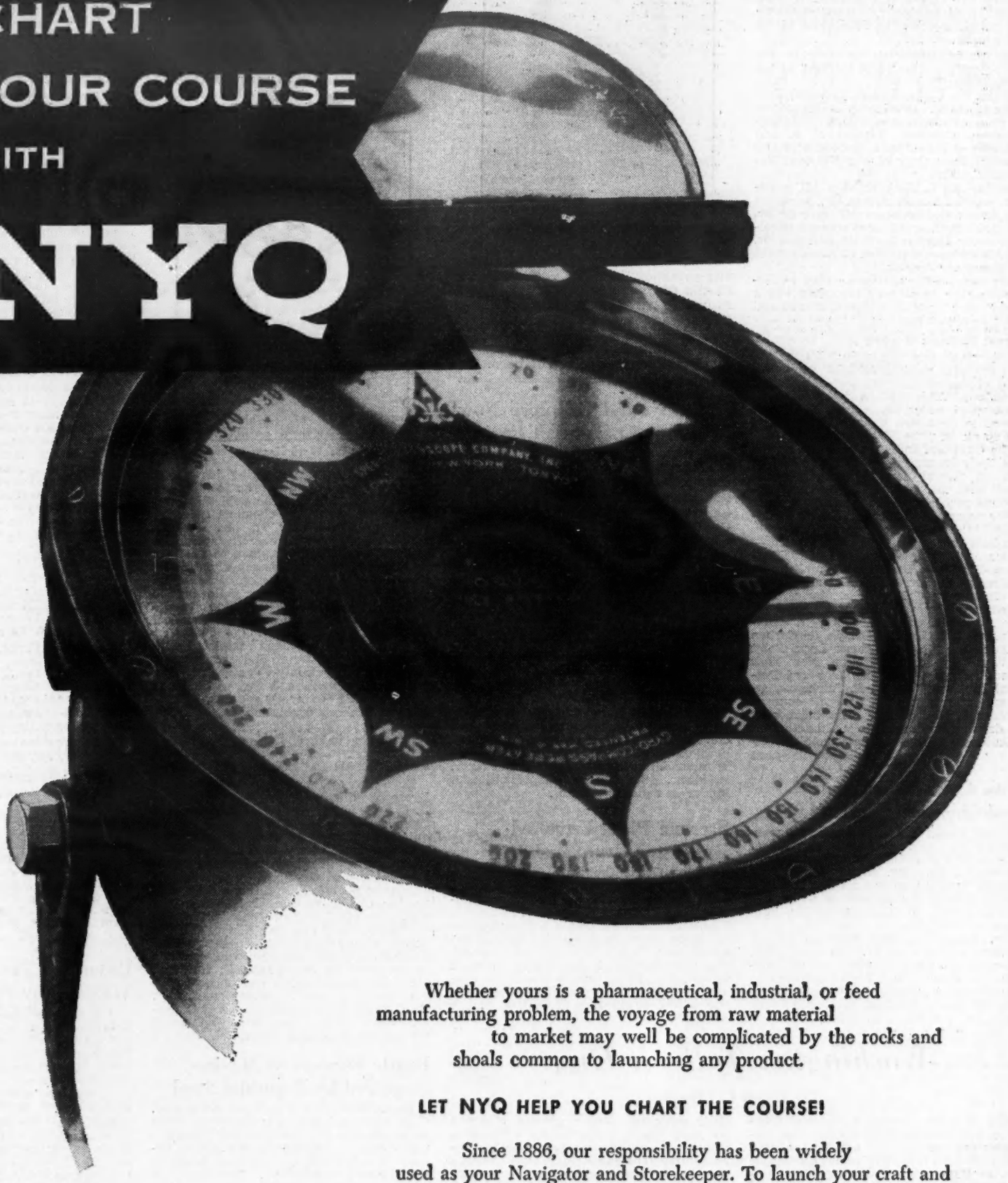

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Association Meetings

This Week

Air Pollution Control Association, annual meeting, Patten hotel, Chattanooga, Tenn., May 3-5.

Chemical Bureau Alumni Association of War Production Board and National Production Authority, spring get-together, Lexington hotel, New York, May 6.

Chemists' Club, annual meeting, New York, May 5.

Electrochemical Society, annual meeting, La Salle hotel, Chicago, May 2-6.

Forest Products Research Society, national meeting, Grand Rapids, Mich., May 5-7.

National Cottonseed Products Association, annual meeting, Shamrock hotel, Houston, Tex., May 7-11.

National Fisheries Institute, fishmeal, oil, and by-products division, annual meeting, Cleveland hotel, Cleveland, Ohio, May 3-4.

American Chemical Society, Chicago section, national chemical exposition, Chicago Coliseum, October 12-15.

American Coke and Coal Chemicals Institute, regional meeting, Westchester Country Club, Rye, N. Y., May 17.

American Drug Manufacturers Association, annual meeting, Lake Placid Club, Lake Placid, N. Y., June 28-30.

American Institute of Chemical Engineers, annual meeting, Statler hotel, New York, December 12-15.

American Institute of Chemists, annual meeting, Berkeley-Carteret hotel, Asbury Park, N. J., May 12-14.

American Petroleum Institute, Conrad Hilton hotel and Palmer House, Chicago, November 8-11.

American Pharmaceutical Association, Statler hotel, Boston, August 22-27.

American Plant Food Council, annual meeting, Homestead, Hot Springs, Va., June 10-13.

American Society for Testing Materials, annual meeting, Sherman and Morrison hotels, Chicago, June 13-18.

American Soybean Association, annual convention, Memphis, Tenn., August 30-September 1.

American Water Works Association, annual conference, Seattle, Wash., May 23-28.

Animal Health Institute, annual meeting, Edgewater Beach hotel, Chicago, June 14-16.

Association of Consulting Chemists and Chemical Engineers, annual meeting, symposium, Belmont Plaza hotel, New York, October 26.

Basic Materials Exposition, International Amphitheatre, Chicago, May 17-20.

Canadian Pest Control Operators, annual conference, University of Montreal, Montreal, Canada, May 10-12.

Chemical Institute of Canada, annual conference and exhibition, Royal York hotel, Toronto, June 21-23.

Chemical Market Research Association, annual meeting, Statler hotel, New York, May 20.

Chemical Specialties Manufacturers Association, midyear meeting, Netherlands Plaza hotel, Cincinnati, Ohio, May 23-25; annual meeting, New Yorker hotel, New York, December 5-7.

Chlorine Institute, spring meeting, Seaview Country Club, Absecon, N. J., May 11-12.

Drug, Chemical and Allied Trades section, New York Board of Trade, annual meeting, Pocono Manor Inn, Pocono Manor, Pa., September 23-25.

Federal Wholesale Druggists' Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 19-22.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 18-20.

Flavoring Extract Manufacturers' Association, annual convention, Biltmore hotel, New York, May 16-19.

Magnesium Association, annual meeting, Chase hotel, St. Louis, Mo., November 15-17.

Manufacturing Chemists Association, annual meeting and joint outing with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 3-5.

National Chemical Exposition, Chicago Coliseum, Chicago, October 12-15.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 14-16.

National Foreign Trade Council, annual convention, Waldorf-Astoria hotel, New York, November 15-17.

National Paint, Varnish and Lacquer Association, annual meeting, Palmer House, Chicago, November 15-17.

Packaging Machinery Manufacturers' Institute, Grove Park Inn, Asheville, N. C., September 23-26.

Parenteral Drug Association, annual meeting, Barbizon-Plaza hotel, New York, October 27-29.

Plant Maintenance Show, Pan Pacific Auditorium, Los Angeles, July 13-15.

Proprietary Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., May 24-26.

Salesmen's Association of the American Chemical Industry, dinner meeting, Toots Shor restaurant, New York, May 19.

Society of Cosmetic Chemists, Biltmore hotel, New York, May 14.

Society of the Plastics Industry, exposition, technical conference, Public Auditorium, Cleveland and Statler hotels, Cleveland, Ohio, June 7-10.

Synthetic Organic Chemical Manufacturers Association, monthly luncheon meeting, Commodore hotel, May 12; joint outing with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 3-5.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 11-13.

Toilet Goods Manufacturers Association of Canada, annual meeting, Whiteface Inn, Lake Placid, N. Y., June 14-16.

Fats, Oils Record Set On Exports Thus Far

United States exports of fats, oils, and oilseeds have been at record levels since the beginning of the current marketing year, according to a report from the Foreign Agricultural Service last week. During the same period the trade position of the country in oilseed cakes and meals shifted from that of a net importer to that of a net exporter.

October-February exports of fats, oils and oilseeds totaled 1,398,916,000 pounds on an oil equivalent basis, compared with 967,022,000 pounds during the comparable period last year—an increase of nearly 45 percent. The five-month figure indicates an annual rate of about 3,300,000,000 pounds, as compared with exports of 2,300,000,000 pounds (oil equivalent) in each of the three previous marketing years.

Reason for High Export Rate

The new high export rate for October-February is accounted for mainly by expanded foreign purchases of soybeans, cottonseed oil, linseed oil, peanuts, tallows, greases and fish oils. Significant decreases occurred only in the case of soybean oil and lard.

Sales of surplus stocks by the Commodity Credit Corporation, particularly linseed oil, peanuts, and cottonseed oil, played an important role in the increased export business. Soybeans, tallow, greases and fish oils, however, surged upward largely as straight commercial transactions with no government participation. Indications are that soybean exports will decline sharply, the agency said, during the balance of the crop year, but increased exports of cottonseed oil are expected.

Net exports of oilseed cakes and meals in the period October-February amounted to 10,320 tons in contrast to net imports of 209,162 tons in the corresponding months of 1952-53. During the complete years beginning October, 1952 and 1951, net imports totaled 232,264 and 303,586 tons, respectively, whereas in 1950-51, net exports amounted to 40,649 tons.

The change in the United States trade position from an importer to exporter occurred largely as a result of heavy exports

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Coke, Coal Chemicals Group Tells May 17 Conclave Plans

The American Coke and Coal Chemicals Institute has announced the program for its regional meeting, to be held May 17 at the Westchester Country Club, Rye, N. Y., under the general chairmanship of Hugh MacArthur, president of the Connecticut Coke Company.

At the morning session James E. Sayre, assistant manager for marketing research at Barrett Division of Allied Chemical & Dye Corporation, will speak on "Naphthalene Will Meet Its Challenge," and Dr. Heinz Nedelmann, of Fachverband Kohlechemie, Essen, Germany, will present a paper on "The German Coal Chemicals Industry." Koppers Company will present a film entitled, "Tomorrow's Heritage."

A coke symposium will be held in the afternoon, with Paul C. McConnaughey, sales manager of the gas and coke division of Koppers Company, acting as domestic coke moderator and E. W. Zimmerman, vice-president of New England Coke Company, serving as foundry coke moderator.

WHO Pan American Unit Post Goes to Dr. Gonzalez

Dr. Carlos Luis Gonzalez, chief of the division of public health of the Pan American Sanitary Bureau, regional office of the World Health Organization, has been appointed assistant director of the Pan American unit. The appointment received the unanimous endorsement of the PASO executive committee.

SAACI Shifts Dinner Date

The Salesmen's Association of the American Chemical Industry, originally scheduled to meet May 5, has shifted the date of its steak dinner to May 19. Reason for the action was to avoid a conflict with the fifty-fifth annual meeting of the Chemists' Club, which will take place on Wednesday. SAACI's meeting on the nineteenth will be held at Toots Shor restaurant, New York. An a la carte bar will open at 6 p.m., with dinner following one hour later. On the entertainment program will be the SAACI choir and Doras Smith, songstress who appeared at the association's meeting last October.

Norwich Ass't Vice-Pres.

Thomas J. Eaton has been elected assistant vice-president of Norwich Pharmacal Company, Norwich, N. Y. Associated with the company since 1948, Mr. Eaton had been assistant production manager since 1952. Prior to that he was in charge of the company's chemical plant for two years. Mr. Eaton represents the third generation of his family in the company.

Pest Control Conference Set May 10-12 at Montreal Univ.

Plans were announced last week for the twelfth annual Canadian Pest Control Operators Conference, to be held May 10 through 12 at the University of Montreal. The program is being sponsored by the university, in cooperation with the Canadian Pest Control Operators Association and the National Pest Control Association of the United States.

On the morning of opening day, Dr. Ralph Heal, executive secretary of NPCA, will speak on the organization's public relations program and the effect it is expected to have in Canada. This will be followed by a technical session on larvae and pupae identifications and their links with metamorphosis. A laboratory session will be held in the afternoon on such insects as carpet beetles, clothes moths, ants, silverfish and firebrats. This will be followed by a lecture session on pests other than insects and rodents, having as its main topics snakes, birds, mammals and odor control. In the evening the annual business session will be conducted, along with the election of officers.

On May 11 there will be morning sessions on the life history of a number of insects. In the afternoon there will be a meeting on chemicals which will discuss such aspects as formulations and calculations for solutions, dusts, emulsions and wettable powders. This will be followed by a session on hazards and toxicity.

The program on the closing day will begin with a report on new developments in pest control and will be followed by discussions on the influence of variable factors in methyl bromide fumigation and dosage schedules of methyl bromide fumigations.

USP Intends to Adopt Two New Titles in 15th Edition

United States Pharmacopeia has indicated that a mixture of ten vitamins will probably be called "Decavitamin Capsules and Decavitamin Tablets" in USP XV. This item, it was stated, is intended to replace the present hexavitamin capsules and tablets by the inclusion of four other vitamins—i.e., cyanocobalamine, folic acid, calcium pantothenate and pyridoxine.

Another new title is "Trisulfapyrimidines" for the USP XV triple sulfonamide mixture consisting of equal parts of sulfadiazine, sulfamerazine and sulfamethazine. If the proposed titles conflict with other names or with trade names, comment should be sent to USP, 46 Park avenue, New York 16.

Chemists' Club Meets Wed.

The Chemists' Club will hold its fifty-fifth annual meeting May 5 at 6 p.m. at the club building, 52 East 41st street, New York. Under consideration at the meeting will be the election to honorary membership of three nominees put forward by the club's board of trustees. The nominees are:—Dr. Roger Adams, head of the department of chemistry at the University of Illinois; Dr. John Van Nostrand Dorr, president of Dorr Company, and Sir Hugh Stott Taylor, chairman of the department of chemistry and dean of the Graduate School at Princeton University.

Water, Air Pollution Problems Discussed

A comprehensive look into the twin problems of water and air pollution featured the wastes symposium held April 27 at the Belmont Plaza hotel, New York, by the Association of Consulting Chemists and Chemical Engineers.

Discussing waterborne wastes, Harry A. Faber, associate editor of *Water & Sewage Works*, noted that the major approach to the solution of industrial waste problems is via municipal treatment processes, which he regarded as "far from satisfactory."

"Aside from the fact that both wastes are waterborne," Mr. Faber pointed out, "there is little in common between domestic sewage and industrial waste waters. There are many industrial wastes problems which cannot be solved by the application of presently known treatment methods."

Realistic Approach Urged

Real stream pollution abatement, he contended, must get closer to the roots of the problem. He declared that industry must face its pollution problems realistically, that it is good business for industry "to appraise waterborne wastes from a chemical and chemical engineering point of view.

"The volume and concentration of waterborne wastes may be reduced, certain 'problem' wastes may be eliminated or receive separate treatment, and some problems may be solved by the profitable recovery of by-products," he said. "Recovery, pretreatment, or elimination of waterborne wastes is not the job of sanitary engineers," he maintained, "but must be that of chemists and chemical engineers having special knowledge of a specific manufacturing process."

The speaker felt that more work needs to be done in a number of major research areas. "New technics must be developed for determining the amounts and kinds of pollution and their effects. Methods for treating new industrial wastes must be developed. Specialized personnel and the coordination of research is vital to future progress. We need a deeper appreciation of the multiple-purpose concept of water use, and we need to apply that concept."

Carelessness Major Cause of Smoke

In a talk on air pollution control, Walter G. Christy, consulting engineer and past president of the Smoke Control Association of America, asserted that 75 percent of smoke and a large share of other forms of air pollution are caused by carelessness. "Men are needed to design, construct, install, operate and maintain plants and equipment," he stated. "The human machine is never 100 percent efficient. Men get careless, thoughtless and inattentive.

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Lead Industries Association Re-elects Haffner President

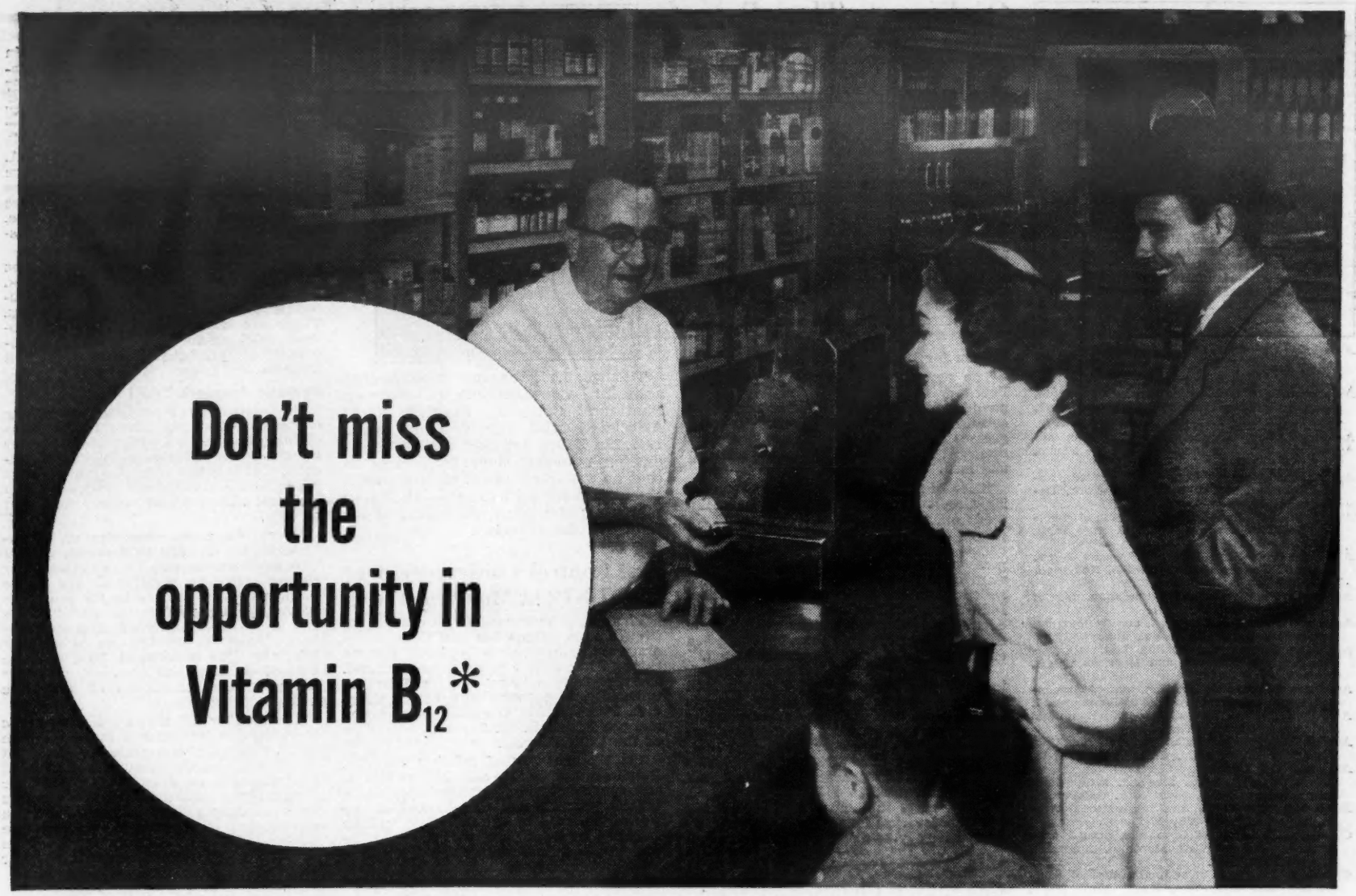
J. B. Haffner, president of Bunker Hill & Sullivan Mining & Concentrating Company, Kellogg, Idaho, was re-elected president of the Lead Industries Association at its recent twenty-sixth annual meeting in Chicago.

The association also elected K. C. Brownell, J. A. Martino and J. M. Bowlby vice-presidents. R. L. Ziegfeld was reappointed secretary-treasurer.

The following were elected to the board of directors:—Jean Vuillequez, vice-president, American Metal Company, Ltd.; K. C. Brownell, president, American Smelting & Refining Company; Clarence Glass, vice-president, Anaconda Sales Company; S. A. Easton, chairman of the board, Bunker Hill & Sullivan Mining & Concentrating Company; H. L. Day, president, Day Mines, Inc.; J. M. Bowlby, chairman of the board, Eagle-Picher Company; J. A. Costello, vice-president, Ethyl Corporation; E. L. Newhouse, jr., vice-president, Federated Metals Division of American Smelting & Refining Company; J. P. Ruth, vice-president, Glidden Company; J. A. Martino, president, National Lead Company; P. H. Hunt, director, United Park City Mines Company; Andrew Fletcher, president, St. Joseph Lead Company; George Mixter, vice-president, United States Smelting, Refining & Mining Company, and J. B. Haffner, president, Bunker Hill & Sullivan Mining & Concentrating Company.

NSF Research Parley Slated

The National Science Foundation will sponsor a conference on undergraduate research in chemistry at Washington and Lee University, Lexington, Va., May 6 through 8.



Take advantage of the growing demand for a variety of product forms

Through an expanded line of Vitamin B_{12} products, many manufacturers are enjoying increased profits. They are enhancing popularity of multivitamin and vitamin-mineral combinations by adding Vitamin B_{12}. They are supplying this vitamin in drops and syrups as dietary supplements. They are tapping new markets with high potency parenterals for neurologic disorders, and they are boosting sales of their present formulations by increasing the Vitamin B_{12} content.

Demand for Vitamin B_{12} should continue to expand with the rapidly pyramiding scientific evidence of the importance of this vitamin in nutrition and therapy. To help you obtain your share of this growing and profitable market, Merck has available in ample supply all of the following forms of Vitamin B_{12}:

CRYSTALLINE VITAMIN B_{12} U.S.P. MERCK—Free-flowing, uniformly fine crystals, especially suitable for parenteral and oral solutions.

TRITURATION OF CRYSTALLINE VITAMIN B_{12} MERCK (0.1 per cent in either mannitol or dicalcium phosphate)—A convenient, standardized dilution for ease in formulating dry preparations.

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As a further aid, Merck offers you valuable technical information and service in formulating and processing.

***The Food and Drug Administration states, "recent scientific evidence shows that these vitamins [vitamin B_{12} and folic acid] are needed in human nutrition," and that the disclaimer clause (The need in human nutrition not established) no longer is necessary. *Federal Register*, February 10, 1954, page 767.**

†*Cyanocobalamin is used here only in a chemical sense and not as a synonym for the U.S.P. product.*

Vitamin B_{12} Merck

CHEMICAL PROGRESS WEEK-MAY 2-8

Research and Production
for the Nation's Health

MERCK & CO., INC.
Manufacturing Chemists
RAHWAY, NEW JERSEY

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, April 30 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).

Acenaphthene below 92.5 C., m.p., dms. works lb. .40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99% dms c.l., frt. equald lb .1250 - .1435
l.c.l. frt equald lb. .1350 - .1535
tanks, frt. equald lb. .1050 - .1300

Acetaldol (see Aldol).

Acetanilide tech., bbls., c.l., dlvd lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .98

Acetic anhydride, dms., c.l., dlvd E. lb. .15½ - —
l.c.l., dlvd E lb. .17 - —
tanks, dlvd E lb. .14 - —

Acetoacetanilide, fib. dms., c.l., dlvd lb. .75 - —
l.c.l., dlvd. lb. .78 - —

Acetoacet-o-chloroanilide, fib., dms., c.l. dlvd lb 1.27 - —
l.c.l.; dlvd. lb. 1.28 - —

Acetoacet-o-toluidide, fib., dms., c.l. dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —

Acetone, CP, dms., c.l., dlvd. lb. .10 - —
l.c.l., dlvd. lb. .11 - —
tanks, dlvd. lb. .08 - —

Methyl (see M).

Acetonitrile dms. c.l. works lb. .45 - —
l.c.l. works lb .47 - —

Acetophenetidine, USP, bbls., works, frt equald lb 1.15 - 1.17

Acetophenone cns., dms lb. 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —

p-Acetylaminobenzaldehyde thiosemicarbazone, dms, frt. adjusted. lb. 17.50 - 21.00

N-Acetyl-p-aminophenol, dms., frt. adjusted lb. 1.75 - 1.85

Acetyltributyl citrate tech dms., c.l lb. .33½ - —
l.c.l lb. .38½ - —
tanks lb. .32 - —

Acetyltriethyl citrate, tech., dms., c.l lb. .37½ - —
l.c.l. lb. .38½ - —
tanks lb. .36 - —

Acid, abietic, com'l., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 - —
cryst., dms. c.l. works lb. .06½ - —
l.c.l., works lb. .07 - .07½

Acetic, com'l or redist., 28% bbls. 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80%, bbls 100 lbs. 10.45 - —
glacial synthetic CP dms dlvd 100 lbs. 15.00 - 16.00
tech., dms., c.l., dlvd 100 lbs. 10.50 - 12.00
l.c.l., same basis 100 lbs. 11.00 - 13.00
tanks, dlvd 100 lbs. 10.00 - —
USP cbys., inclusive, dlvd., 100 lbs. 24.00 - 25.00

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1,000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (80 mesh), bbls., same basis. lb. .55 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .37 - .37½

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75

p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works, same basis lb. 2.55 - 2.60

p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50

Anthranilic, bbls., frt equald lb. 1.21 - —

Arsenous, tech., (see Arsenic, white).
USP (see Arsenic trioxide).

Ascorbic USP dms. 25-50 kilo lots. kilo. 21.00 - —
10-kilo lots kilo. 21.35 - —
5-kilo lots kilo. 21.75 - —
bots., 1-kilo lots kilo. 22.00 - —
500-gram lots kilo. 22.50 - —

Battery cbys. c.l., works, E. 100 lbs. 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45

Benzoic, tech. bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls. dms. 100-lb. lots or more lb. .54 - —

Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).

Betaoxynaphthoic (see Acid, b-Oxynaphthoic).

Boric, tech 99½%, cryst., bgs., c.l., works ton. 124.25 - —
ton lots, ex whse., N. Y. or Chi ton. 172.00 - —
smaller lots, same basis. ton. 177.00 - —
bbls., c.l., works ton. 148.75 - —
ton lots, ex whse., N. Y. or Chi ton. 196.50 - —
smaller lots, same basis. ton. 201.50 - —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse., N. Y. or Chi ton. 147.00 - —
smaller lots, same basis. ton. 152.00 - —
bbls., c.l., works ton. 123.75 - —
ton lots, ex whse., N. Y. or Chi ton. 171.50 - —
smaller lots, same basis. ton. 176.50 - —
bulk, c.l., works ton. 94.25 - —

Acid, boric, tech., powd., bgs., c.l., works ton. 104.25 - —
ton lots, ex whse., N. Y. or Chi ton. 152.00 - —
smaller lots same basis. ton. 157.00 - —
bbls., c.l., works ton. 128.75 - —
ton lots, ex whse., N. Y. or Chi ton. 176.50 - —
smaller lots same basis. ton. 181.50 - —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric acid $25 per ton higher.

Broenners, bbls lb. 1.76 - —

Butyric, 99% dms. c.l., works, lb. .34 - —
l.c.l., works lb. .34½ - —
tankcars, works lb .32½ - —

Cacodylic, bots lb 10.50 - 13.00

Camphoric natural, dms lb 4.00 - 4.75
synth dms lb 4.00 - 4.75

Capric, dms lb. .26¼ - .28

Caprylic, dms lb. .29¼ - .31½

Cassella, dms. frt alld lb 1.44 - 1.75

Castor oil, split, dms lb. .35½ - .36

Chicago, bbls., frt alld lb. 3.21 - —

Chloroacetic, mono-, purified, flake, 99%, dms. lb. .23½ - .25½
tech., flake, 96-97%, frt. equald, dms lb. .20 - .21

o-Chlorobenzoic, fib. dms., works lb. 1.13 - —

p-Chlorobenzoic, fib. dms., works lb. 1.59 - 1.62

Chlorosulfonic dms., c.l., frt. equald lb. .0465 - —
l.c.l., frt. equald lb. .0515 - —
tanks, frt. equald lb. .0415 - —

Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.

Cholic, 25-100 lb bots, fiber dms. lb. No prices.

Chromic 99¾%, dms., c.l., works lb. .27½ - —
l.c.l., works lb. .28 - .29

NF (see Chromium trioxide).

Cinnamic, ref'd, bots lb. 2.50 - 3.50

Citric, USP, anhyd., gran., fine gran., dms., c.l. lb. .28¾ - —
10,000-lb lots, 1 ship't. lb. .29¼ - —
smaller lots lb. .29¾ - .31¼

hydrous, gran., fine gran., dms., c.l lb. .27 - —
10,000-lb lots, 1 ship't. lb. .27½ - —
smaller lots lb. .28 - .29½

Powdered citric acid ½c. higher.

Acid, Cleve's, mixed, bbls. lb. .79 - —
Coconut oil, dist., dms. lb. .25¾ - .27½
tankcars lb. .24 - —
double dist., dms. lb. .26¼ - .28
tankcars lb. .24½ - .24¾

Corn oil, dist., dms. lb. .13 - .15½
tanks lb. .11¼ - .12

Cottonseed oil, dist., dms. lb. .11¼ - .13
tanks lb. .09½ - —
double dist., dms. lb. .11¾ - .13½
tanks lb. .10 - .10¼

2,3-Cresotic, dms., ton lots, works. lb. .66 - —
smaller lots lb. 1.82 - 2.00

Cresylic, coaltar, dom., 50% 207°C or above, ret dms., c.l., frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret., dms. c.l., same basis gal. 1.01 - —
l.c.l. same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
204° to 207°C., ret., dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal. 1.08 - —
non-ret., dms. c.l., same basis gal. 1.06 - —
l.c.l., same basis gal. 1.09 - —
tanks, same basis gal. .95 - —
imp. 75% at 215°C. or over, dms. ex whse gal. .75 - .90

petroleum, dom., 195° to 213°C, non ret dms., c.l. San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —
200° C. to 222° C., tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C. non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C. tanks, Wilmington Cal gal. .50 - .53
245° C to 298° C. tanks, Wilmington Cal gal. .46 - —

Crotonic, fib. dms., 200 lbs. or more, works lb. .45 - —

Cyanoacetic, tech., bbls lb. .90 - 1.25

Dehydrocholic, injection, fib dms., 10 to 100-lb. lots lb. No prices.
oral, fib., dms., 10 to 100-lb. lots lb. No prices.

Desoxycholic, fib dms, 10 to 100-lb. lots lb. No prices.

Dichlorophenoxyacetic (see under 'D' 2,4-D).

Diethylbarbituric (see Barbital).

Diglycolic, bgs., works lb. .14 - —

Acid, 2-Ethyl hexoic, dms., c.l., works lb. .35 - —
l.c.l., works lb. .35½ - —
tanks, works lb. .33½ - —

F, crude, paste, bbls., works lb. 2.10 - —

Folic, bots., fib. cns, kilo-lots or more gram. 1.60 - —

Formic, 85%, cbys., c.l., works lb. .1570 - —
l.c.l., works lb. .1620 - .1720
90%, cbys., c.l., works lb. .1625 - —
l.c.l., works lb. .1675 - .1775

Fumaric, tech., bgs., dms lb. .27 - .28

Gallic, NF VII, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
technical, bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb. 1.60 - 1.78

Gamma dry, ground, bbls., frt. alld lb 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —

Gentisic, 100-lb fib. dms lb 8.50 - —

Gluconic, tech., 50% bots. lb. .23½ - .31½
cbys. lb. .19 - —
dms. lb. .15½ - —

l-Glutamic, 99½% fib. dms., 100 lb lots, works lb 2.45 - 2.53
25-lb. lots, works lb. 2.60 - 2.68

Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35

Glycolic (see Acid hydroxyacetic).

H, dry, bbls., works, basis 100%, lb. .82 - —
paste, bbls., works, basis 100%, lb. .80 - —

Hydriodic, 1.50 s.g., cbys lb. 2.94 - —
1.70 s.g., cbys lb. 3.23 - —

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. .37 - .43

Hydrochloric, anhydrous (see Hydrogen chloride).

18° cbys., c.l., works 100 lbs. 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.03
tanks, works, frt. equald ton. 28.00 - —
20° cbys., c.l., works 100 lbs. 2.60 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.00 - 4.00
tanks, works, frt. equald ton. 30.00 - —
22° cbys. c.l., works 100 lbs. 2.15 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.25 - 4.50
tanks, works, frt. equald ton. 35.00 - —
CP, USP, consumers, cbys., extra, c.l., works lb. .11¾ - —
l.c.l., same basis lb. .13¼ - .13¾
8 pint bottles extra, cs., c.l., same basis lb. .16¾ - —
l.c.l. same basis lb. .19¼ - —

Acid, hydrochloric, CP, USP, prices to dealers 1½c per lb less.

Hydrocyanic, cyls., frt. alld lb. .75 - 95
dilute NF 2% 5-lb pots lb .40 - —

Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .18½ - .22¼

Hydrofluosilicic, basis 30%, dms., works lb. .06 - —

Hydroxyacetic, tech. 70% bbls., non-return., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —

Hypophosphorus, purif., 50%, cbys lb. 1.30 - 1.33
USP, cbys lb. .88 - —

Isonicotinic, 100 lb fib dms, works lb. 5.00 - —
Hydrazide (see Isoniazid).

J, bbls, works, basis 100% lb. 2.50 - 2.85

Koch, bbls., frt. alld lb. .64 - .70

L, bbls., works lb. 1.25 - —

Lactic, edible, 50%, bbls., 20 or more lb. .17 - .20
smaller lots lb. .1750 - .2100
80%, bbls., 5 or more lb. .30 - .3640
smaller lots lb. .305 - .3699
NF, 85%, cbys lb. .65 - .68
plastic grade, 50%, bbls., 20 or more, works lb. .2175 - —
1 to 19 lb. .2225 - .2275
80%, bbls., 5 or more lb. .3818 - —
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 7.20 - 12.20
44% bbls., c.l., works 100 lbs. 11.45 - 11.98
l.c.l., works 100 lbs. 11.15 - 12.50

Laurent's, bbls lb. .60 - —

Lauric, 90%, dms lb. .36¼ - .38

Linseed oil, dist., dms. lb. .2005 - —
water white, dms. lb. .2305 - —

Maleic, cryst., powd., dms lb. .37 - .38

Malic, tech., dms lb. .50 - —

Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50

Metanilic, dms., works lb. .57 - .75

Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½ - —
smaller lots, works lb. .55 - —

Molybdic, 85-92%, dms works lb 1.27 - —

Monochloroacetic, purif. (see Acid, Chloroacetic mono-).

Muriatic (see Acid, hydrochloric)

Myristic, dms lb. .28 - .29¼

Naphthenic, 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —

Naphthol (1)-4-sulfonic (see Acid Neville and Winthers).

Naphthol(1)-5-sulfonic (see Acid, L).

Naphthol(1)5-sulfonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulfonic,8-amino (see Acid H).

Naphthol(2)-6,8-disulfonic (see Acid, Gamma)

(5)-7-Sulfonic,2-amino (see Acid, J).

Naphtholsulfonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine(1)-5-sulfonic (see Acid, Laurent's).
(2)-6-sulfonic (see Acid, Broenner's).
(2)-7-sulfonic (see Acid, F).
(2)-1-sulfonic (see Acid, Tobias).

Acacia—Acid, Naphthylamine, (2)-1-Sulfonic

Abbreviations

Used in OPD Market Quotations

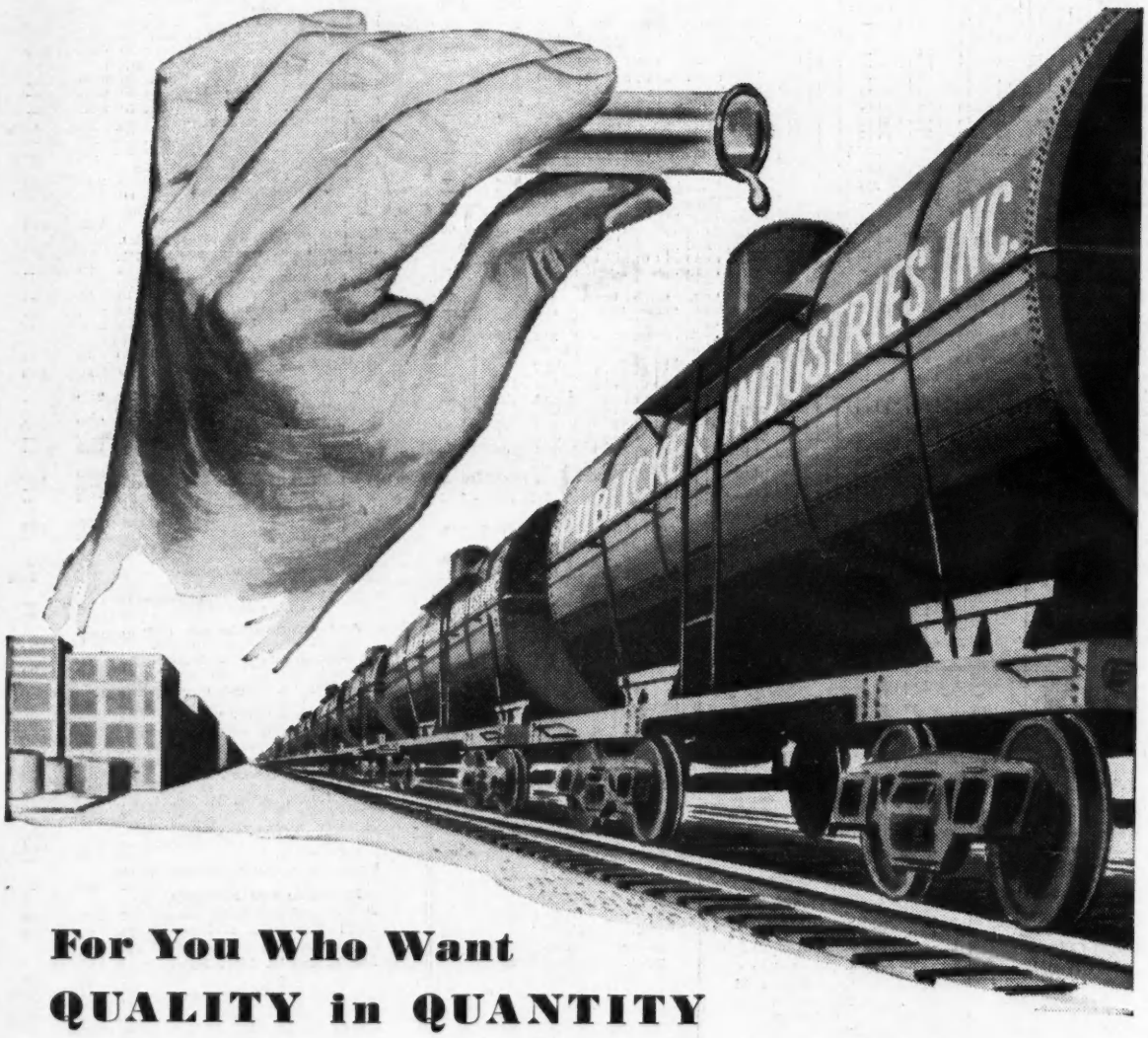
ACS	American Chemical Society	dist.	distilled	NNR	New and Nonofficial Remedies
alld.	allowed	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	nom.	nominal
AMP	American melting point	dlvd.	delivered	o-	ortho
anhyd.	anhydrous	dms.	drums	ord.	ordinary
a.p.a.	available phosphoric acid	dom.	domestic	oz.	ounce
artif.	artificial	E.	east	p-	para
ASTM	American Society for Testing Materials	e.p.	end point	Pac.	Pacific
		equald.	equalized	pf.	proof
Be.	Baume	exp.	expressed	phos.	phosphate
bbls.	barrels	F.	fahrenheit	photo.	photographic
bgs.	bags	ferment.	fermentation	pkgs.	packages
bls.	bales	f.f.a.	free fatty acid	powd.	powdered
bots.	bottles	f.f.c.	free from chlorine	precip.	precipitated
b.p.	boiling point	fib.	fiber	prod.	producer
b.p.l.	bone phosphate of lime	f.o.b.	free on board	pt.	point
		f.p.a.	free of prussic acid	pulv.	pulverized
b.r.	boiling range	frt.	freight	purif.	purified
bxs.	boxes	gal.	gallon	redist.	redistilled
C.	centigrade	gran.	granular	refd.	refined
cbys.	carboys	grd.	ground	refy.	refinery
CD	completely denatured	i.&a.	iron and aluminum	reg.	regular
		i.b.p.	initial boiling point	resub.	resublimed
c.i.f.	cost, insurance, freight			ret.	returnable
		imp.	imported	SD	specially denatured
cks.	casks	incl.	included		
c.l.	carlots	indust.	industrial	s.d.	single distilled
cns.	cans	kgs.	kegs	S. E.	southeast
coml.	commercial	l-	laevo	sec.	secondary
conc.	concentrated	lacq.	lacquer	secs.	seconds
CP	chemically pure	lb.	pound	s.g.	specific gravity
cps.	centipoises	l.c.l.	less than carlots	shipt.	shipment
cryst.	crystal	liq.	liquid	soln.	solution
cs.	cases	m-	meta	s.u.	standard unit
ctns.	cartons	m.a.p.	mixed anilin point	syn.	synthetic
cyls.	cylinders			tanks.	railroad tankcars
d-	dextro	min.	minimum	tech.	technical
dbl.	double	m.p.	melting point	tert-	tertiary
denat.	denatured	N-	nitrogen	USP	U. S. Pharmacopoeia
dest-dist.	destructive-distilled	n-	normal	vis.	viscosity
		nat.	natural	VM&P	varnish makers & painters
dl-	dextro-laevo	neut.	neutral	W.	west
		NF	National Formulary	whse.	warehouse
				w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Nevile and Winther's — Alcohol, Ethyl

Acid, Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., frt. adjusted kilo 9.00 9.30
Amide, USP, (see Nicotinamide).
Nitric 36° Be cbys., c.l., works, E. 100 lbs. 5.25 - —
t.c.l., works, E 100 lbs. 5.55 - 6.35
38° Be cbys., c.l., works, E. 100 lbs. 5.75 - —
t.c.l., works, E 100 lbs. 6.05 6.80
40° Be, cbys., c.l., works, E. 100 lbs. 6.25 - —
t.c.l., works, E 100 lbs. 6.55 - 7.35
42° Be cbys., c.l., works, E. 100 lbs. 6.75 - —
t.c.l., works, E 100 lbs. 7.05 - 7.85
58.5 to 68% HNO_3, tanks, works, 100% basis 100 lbs. 3.40 - —
94½ to 95½% HNO_3, tanks, works, 100% basis 100 lbs. 4.40 - —
CP, NF, consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15½
5 pint bottles, extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19 - .25
p-Nitrobenzoic, dms., c.l., works lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, single distilled, dms lb. .16 - .17¾
tanks lb. .14¼- —
double dist. (white), dms lb. .18½- .20¼
tanks lb. .16¾- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic)
Orthocresotinic (see Acid, 2,3-Cresotic).
Oxalic, bbls., c.s., works lb. .16½- —
10,000-lb. lots, works lb. .16¾- —
smaller lots, works lb. .17¾- —
p-Oxynaphthoic, bbls., works lb. 1.14 - —
Palm oil, double dist., dms lb. .13¼- .15
Para-aminobenzoic (see Acid, p-Aminobenzoic)
Acid, para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst., cns. lb. .75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see Acid, mandelic).
Phosphoric, food grade, 75%, cbys, c.l., works 100 lbs. 7.30 - —
l.c.l., works 100 lbs. 7.80 - 8.30
tanks, works 100 lbs. 5.10 - —
NF, 85%, cbys., c.l., works lb. .08½- —
l.c.l., works lb. .09 - .09½
Picric, NF, bbls lb. .55 - —
ums, smals lb. .81 - .87
tech., bbls lb. .32 - .33
Propionic, synth. pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol)
tech, bbls lb 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S bbls., works lb 3.25 - —
Salicylic, crude, fib. dms lb. .37 - —
sublimed, tech., fib. dms., c.l. lb. .39 - —
t.c.l. lb. .46 - —
dyestuffs grade, fib. dms lb. .41 - —
USP, cryst., fib. dms lb. .48 - —
powder, fib. dms lb. .53 - —
Sebacic, purified, dms., c.l., works, dms., c.l lb. .64 - —
l.c.l., works lb. .66 - .70
Soybean oil, double dist., dms lb. .15¼- .17
tanks lb. .13½- .15
single dist., dms lb. .15¼- .18½
tanks lb. .13½- .14¼
Acid, stearic, double pressed, bgs. lb. .14¼- .16¾
single pressed, bgs lb. .13¾- .16¼
triple-pressed, bgs lb. .16½- .19
Succinic, purified, cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld lb. .21 - —
Sulfuric, 60° Be, cbys., c.l., works 100 lbs. 2.00 - —
t.c.l., works 100 lbs. 2.45 - —
tanks, works ton 18.60 - —
66° Be, cbys., c.l., works 100 lbs. 2.25 - —
l.c.l., works 100 lbs. 2.55 - 3.35
tanks, works ton 22.35 - —
98%, tanks, works ton 23.50 - —
99-100%, tanks, works ton 23.95 - —
CP, NF, consumers cbys. extra, c.l., works frt. equald lb. .09¾- —
l.c.l., same basis lb. .11¼- .11¾
5 pt. botz., extra, cs., c.l., works frt. equald lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
oleum; 20%, tanks, works ton 25.00 - —
40% tanks, works ton 29.00 - —
65% tanks, works ton 39.50 - —
Tallow, dist., dms lb. .13¼- .15
hydrogenated, dms lb. .14¼- .16
Tannic, NF, fluffy, bbls., 1,000-lb lots lb 1.59 - 1.60
smaller lots lb 1.65 - 1.76
powder bbls., 1,000-lb lots lb 1.50 - —
smaller lots lb. 1.51 - 1.69
tech, dms lb. .95 - —
Tartaric, USP, dom., 230 or 250-lb., dms., c.l lb. .37 - —
10,000-lb. lots, 1 ship't. lb. .37½- —
smaller lots lb. .38 - —
100-lb dms lb. .39 - —
small dms lb. .41 - .47
Imported, bgs lb. .32 - —

Acid, thioglycolic, refined, cbys., 100% basis lb. 1.80 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
p-Toluenesulfonic, dms., c.l., works. lb. .16 - —
l.c.l., works lb. .17½- —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under "T" 2,4,5T)
Undecylenic dms. lb 1.40 - —
Aconite root, bls lb. .50 - .55
Aconitine, cryst., potent, bots oz. 78.00 - 85.00
Acrolein, tech., dms., c.l., works lb. .47 - —
l.c.l., works lb. .47½- —
Acrylonitrile, dms., c.l., works lb. .33 - —
l.c.l., works lb. .34 - —
tanks, works lb. .31 - —
ACTH, bots gram 15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP, Kobe No. 1, strip, bls. lb. 4.00 - —
powdered, 30 mesh, fib., dms lb. 4.50 - —
dl-Alanine, dms., works lb. 8.50 -11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., t.c.l lb. .65 - .90
Egg, edible, flake, bbls lb. 1.69 - 1.73
powder, bbls lb. 1.73 - 1.77
tech., cryst., bbls lb. .93 - .96
Alcohol, allyl, dms., c.l., dlvd lb. .32 - —
l.c.l., dlvd lb. .33 - —
tanks, dlvd lb. .30 - —
Amyl, ex fusel oil (see Fusel oil, ref.)
fermentation, ref'd., 126°-132°C, dms., c.l., dlvd lb. .32¾- —
t.c.l. dlvd lb. .33¾- .36
tanks, dlvd lb. .31 - —
128-132° C. dms. t.c.l. dlvd. lb. .33¾- .36
ACS grade, dms., t.c.l., dlvd lb. .35¾- —
mixed, primary, dms., c.l., works lb. .19¼- —
l.c.l., works lb. .20¼- —
tanks, works lb. .17¼- —
1-pentanol (synthetic normal), dms., c.l., works lb. .42 - —
l.c.l., works lb. .43½- —
tanks, works lb. .40 - —
2-pentanol, dms., c.l., works lb. .63 - —
l.c.l., works lb. .70 - —
tanks, works lb. .60 - —
n-synthetic, dms., c.l., frt. alld., lb. .17 - —
l.c.l., frt. alld lb. .18 - —
tanks, frt. alld lb. .15 - —
sec-synthetic, dms., c.l., frt. alld., works lb. .19 - —
l.c.l., works lb. .20 - —
tanks, works lb. .16 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
l.c.l., frt. alld. E lb. .18 - —
tanks, frt. alld. E lb. .15 - —
Benzyl, NF, dms lb. .64 - .79
tech., dms., dlvd lb. .47½- .49
n-Butyl fermentation, dms., c.l., frt. alld. lb. .15 - —
l.c.l., frt. alld lb. .16 - —
tanks, frt. alld lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld lb. .15 - —
tanks, works lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .18 - —
l.c.l. works lb. .18½- —
tanks, works lb. .16½- —
95%, dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Cetyl, extra, fib., cns., 500-lb lots or more lb. .73 - —
smaller lots lb. .80 - 1.15
NF, fib. cns., 140-lb lots or more lb. .58 - .82
smaller lots lb. .59 - .82
Cinnamic, bots lb. 2.15 - 2.75
Decyl, bots lb. 1.75 - 2.00
Industrial (see 1-Decanol).
Denatured, CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis gal. .59½- .65¼
tanks, dlvd., same basis gal. .41½- —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.
SD1, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66¼
tanks, same basis gal. .42½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis gal. .60½- .66¼
tanks, same basis gal. .42½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis gal. .59½- .65¼
tanks, same basis gal. .41½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis gal. .61 - .67
tanks, same basis gal. .43 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis gal. .59 - .65
tanks, same basis gal. .41 - —
Diacetone, acetone-free, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies. gal. 20.48 - —
l.c.l., same basis gal. 20.53 - 20.59
tanks, same basis gal. 20.35 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies. gal. 21.58 - —
l.c.l., same basis gal. 21.63 - 21.69
tanks, same basis gal. 21.45 - —



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ACETALDEHYDE
ACETIC ACID, GLACIAL
ACETONE C.P.—AMYL ACETATE
BUTYL ACETATE, NORMAL
BUTYL ALCOHOL, NORMAL
ETHYL ACETATE—ETHYL ALCOHOL
FUSEL OIL, REFINED
ISOAMYL ALCOHOL
PACO SOLVENT, T.R. 590

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Alcohol, 2-ethylbutyl, dms., c.l., works lb. 29¼ - —
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E lb. .23¾- —
l.c.l., same basis lb. .24¾- —
tanks, same basis lb. .21¾- —
Furfuryl, tech., cns., works lb. .29 - —
dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .184 - —
Isoamyl (see Alcohol, amyl, fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .13¾- .14
l.c.l., dlvd lb. .14½- .15
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd lb. .23 - —
l.c.l., dlvd. lb. .24 - —
tanks, dlvd. E lb. .21 - —
Isopropyl, refd., 91%, dms., c.l., dlvd. gal. .48 - —
l.c.l., dlvd gal. .55 - —
tanks, dlvd. gal. .35 - —
95% dms., c.l., dlvd gal. .50 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .37 - —
99%, dms., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal. .39 - —
Lauryl, bots. lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl)
Octyl, perfumer's grade, bots lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms lb. 1.57 - 2.15
standard dms. lb. 1.35 - —
n-Propyl, dms., c.l., dlvd lb. .12 - —
t.c.l., dlvd lb. .13 - —
tanks, dlvd lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms., c.l., Niagara Falls, N. Y. lb. .44½- —
l.c.l., Newark, N. J lb. .47 - —
tanks, Niagara Falls, N. Y lb. .43 - —
Industrial grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —
Wood (see Methanol).
Aldol, 95% dms., works lb. .23 - —
denaturing grade dms gal. 2.15 - —
Aldrin, 60% soln., dms., c.l., works, frt. alld lb. .538 - —
t.c.l., works, frt. alld lb. .755 - —
Aletris root, bgs. lb. 1.75 - 1.85
Algin (see Sodium alginate).
Allethrin 100% dms. frt., alld lb 32.00 - —
90%, dms., frt. alld lb. 29.15 - —
solution 20% dms. 100-lb lots frt. alld lb. 6.80 - —
2½%, dms., frt. alld lb. .90 - 1.25
Allspice (see Pimento).
Allyl bromide, cnys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .17 - —
t.c.l., dlvd. lb. .18 - —
tanks, dlvd lb. .15 - —
Starch, solid dms., works lb. .52¾- .54¼
solution, 40% toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs lb. .32 - —
powdered, cs lb. .45 - —
Curacao, kgs. lb. .50 .55
Socotrine, kgs. lb. No prices
Aloin, USP, bbls., dms., kgs lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs. 4.30 - —
lump, dms., works 100 lbs. 5.05 - —
powd., dms., works 100 lbs. 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms. lb. .07¾- .08
Potassium gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works 100 lbs. 5.30 - —
powd., dms., works 100 lbs. 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potash-chrome, dms. lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
t.c.l., works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
t.c.l., works lb. .0410- .0510
Aluminum acetate, basic solut., 24%, bbls., t.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
t.c.l., works, frt. equald. lb. .1550- —
cryst., dms., c.l., works lb. .1030- —
t.c.l., works lb. .1070- —
soln. 32° cbys., c.l., works lb. .0369- —
t.c.l., works lb. .0435- .0960
tanks, works 100 lbs. 2.80 - —
NF, gran., dms., works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .1540- —
t.c.l., works lb. .1640- .1890
Aluminum fluoride, fa fib. dms., 0.35c. per lb. higher.
Formate, basic solution, cbys. lb. .09½- —
t.c.l., works lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton. 60.00 - —
t.c.l., works ton. 65.00 - 65.00
light bgs. dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15%, Al_2O_3, fib dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib., dms., works lb. .82½- —
contract, works lb. 79½- —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .21½- —
pigs, 10,000-lb. lots, frt. alld. lb. .20 - —
Oxide, amorphous (see Alumina, calcined).
Paste, lining, extra-fine, dms lb. .63½- —
standard, dms lb. .43 - —
Powder, lining, extra fine, dms lb. 1.02½- —
standard, dms lb. .72 - —

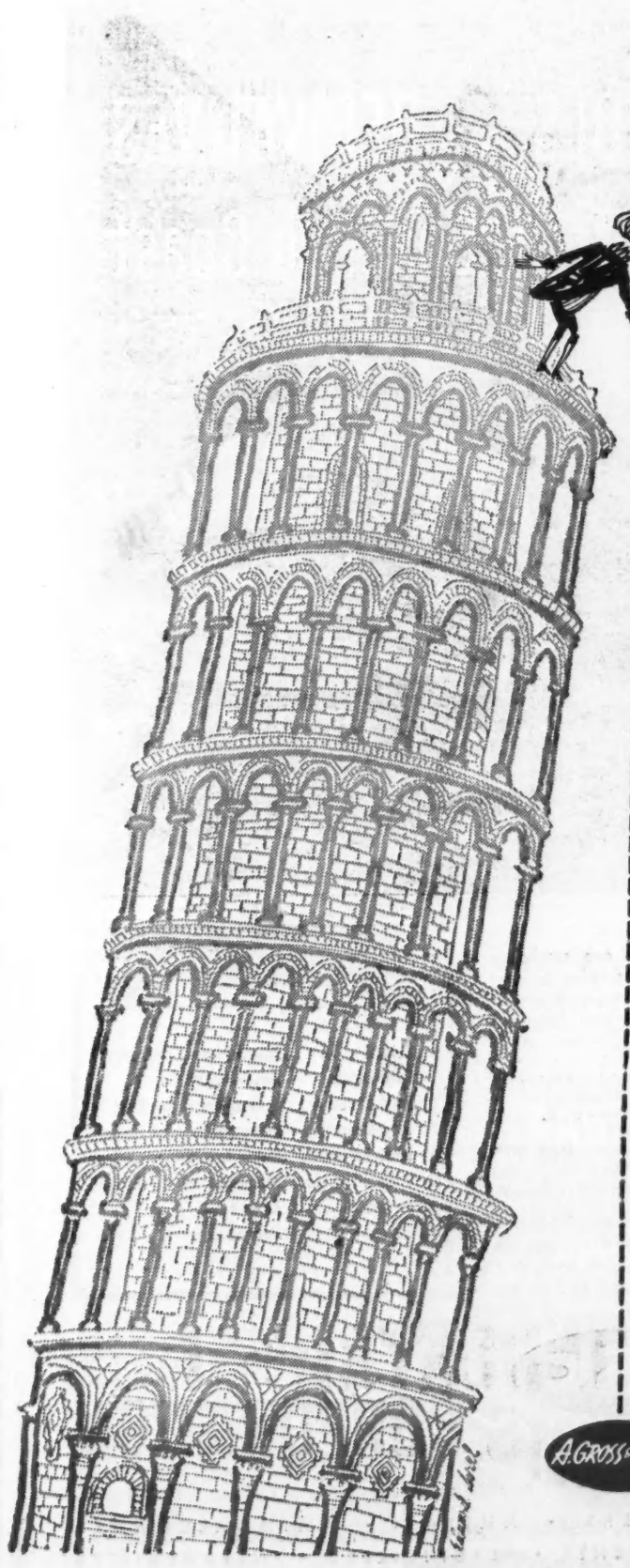
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb for 100-lb. dm., 1½c. per lb for 50-lb dm., 3c. per lb. for 10-lb. can and 5c. to 12c per lb for smaller containers. Deduct 1c. per lb for single shipment of 400 to 1,499 lbs. 2c for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs or over.

Resinate, precip., dms., frt. alld. lb. .27½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
t.c.l. lb. .34 - .37
monobasic, ctns., c.l. lb. .33 - —
t.c.l. lb. .34 - .37
tribasic ctns., c.l. lb. .33 - —
t.c.l. lb. .34 - .37

Aluminum sulfate, com'l, bulk, c.l., works 100 lbs. 1.85 - —
ground, bgs., works ton. 37.00 - —
lump, bgs., works ton. 40.00 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 3.55 - —
t.c.l., works, frt. equald 100 lbs. 3.95 - —
USP, gran., dms., works lb. .13 - .15
powd., dms., works lb. .14 - .16
Trihydrate heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots oz. 8.00 - 10.00
Aminoazotoluene, tech., bbls lb. 1.03 - 1.18
o-Aminobiphenyl, dms., c.l., works. lb. .32½- —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .46½- —
l.c.l., dlvd. lb. .45 - —
tanks, dlvd lb. .45 - —
2-Amino-2-methyl-1-propanol, cns., dms., works lb. .60 - —
m-Aminophenol, distilled, dms, ton lots lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms., frt. alld lb. .97 - .98
Aminophylline, USP, 100-lb. dms. lb. 3.05 - —
Aminopyrine, USP, bots., dms lb. 4.75 - —
Ammonia, anhyd., fertilizer, tanks, works ton. 85.00 - 88.00
pure cyls., extra, zone 1 lb. .18½- —
2 lb. .19 - —
3 lb. .19½- .20
4 lb. .20 - —
5 lb. .21 - —
refrigeration tanks, works ton. 87.50 - 90.50
Aqueous (29.4% NH_3), dms., c.l., dlvd., Met area 100 lbs. 3.60 - —
t.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis. ton. 96.00 - —

Alcohol, 2-Ethylbutyl — Ammonium Sulfide

Ammoniac, sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
t.c.l., same basis 100 lbs. 8.65 - 11.15
white gran. (see Ammonium chloride, tech.)
Ammoniacal liquor, tankcars, works, anhyd basis ton. 96.00 - —
Ammonium acetate, purified, dms. lb. .38 - —
Benzoate, USP, dms. kgs. 4.000 lb lots frt. alld lb. .80 —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, bbls. c.l., works ton. 312.00 - —
ton lots, ex whse ton. 375.00 - —
smaller lots, ex whse ton. 380.00 - —
Bicarbonate, dom. dms., c.l., works 100 lbs. 6.50 - —
t.c.l., works 100 lbs. 7.50 - —
imported dms. lcl lb. 07¼- 08½
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd. lb. .2145- .2245
Bromide NF, gran. bbls lb. .38 - .39
dms. lb. .39 - .42
Powdered ammonium bromide 10c per lb higher
Carbonate, USP lump, powd., dms lb. .23 - .24
Chloride, tech., white granular, bgs., c.l., works 100 lbs 5.25 - —
t.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic bbls lb. .75 - —
dms lb. .80 - .85
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia, aqueous).
Hypophosphite, NF, dms lb. 2.40 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 32.5% N, bgs., c.l., shipping point ton. 77.50 - —
western, 33.5% N., bgs., f.o.b. cars, Los Angeles ton. 89.84 - —
Ammonium nitrate, fertilizer grade, domestic, bgs., western, 33.5%N, works ton. 68.00 - 70.00
with dolomite, 20.5% N, bgs., Hopewell, Va ton. 51.00 - —
Oxalate, fine gran., dms lb. .26½- .31
Pentaborate, gran., bbls., c.l., works ton. 222.00 - —
ton lots, ex whse ton. 235.50 - —
smaller, lots, ex whse ton. 290.00 - —
Ammonium pentaborate powder, $10 per ton higher
Perchlorate, kgs., works lb. .50 - .75
Persulfate, kgs lb. .38 - —
Phosphate, com'l, bgs., c.l., works, frt. equald lb. .0865- —
t.c.l., same basis lb. .09 - —
dibasic, NF V bbls. dms lb. .45 - —
tech., bgs., c.l. works, frt. equald lb. .0865- —
t.c.l., same basis lb. .0915- —
Salicylate, NF, dms., kgs lb. 1.62 - 1.64
Silicofluoride dms works lb. .11 - .12
Sulfamate, bbls., dms., works lb. .18 - .20
Sulfate, coke-oven, bulk, producing ovens ton. 44.00 - 47.00
synthetic, bgs., c.l., western, works ton. 49.50 - —
bulk, works ton. 45.00 - —
purified, dms., works lb .08½- .10
Sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis. ton. 240.00 - —
t.c.l., 100% basis, works. ton. 300.00 - —
tanks, frt. alld ton. 180.00 - —



look...
and
see

GALILEO watched a ball fall from the Tower of Pisa. Much was learned from this seemingly simple experience. You, too, can learn much from what may appear to be a simple experience. Let A. Gross & Company supply you with the Coconut Fatty Acids that you need and you will see that due to our modern distillation plant the regular distilled grade is equal to many double distilled materials. You will find that the uniform special grade has had most of the caproic, caprylic and capric constituents removed. You will learn how you can save money by eliminating costly formulation changes made necessary by Coconut Fatty Acids of poor quality.

Send for samples and our catalog "Fatty Acids in Modern Industry."

	GROCO 24 REGULAR	GROCO 26 SPECIAL
Titre	22° — 25°C.	26° — 28°C
Color 5¼" Lovibond Red	1 — 3	1 — 3
Color 5¼" Lovibond Yellow	8 — 12	8 — 12
Color—Gardner 1933	2 — 4	2 — 4
Unsaponifiable	0.25% — 0.50%	0.25% — 0.50%
Saponification Value	261 — 270	250 — 257
Acid Value	260 — 269	250 — 257
Iodine Value (WIJS)	6 — 12	8 — 14

A. GROSS & Company

Manufacturers Since 1837

295 Madison Ave., New York 17, N. Y.
Factory: Newark, N. J. Distributors in Principal Cities

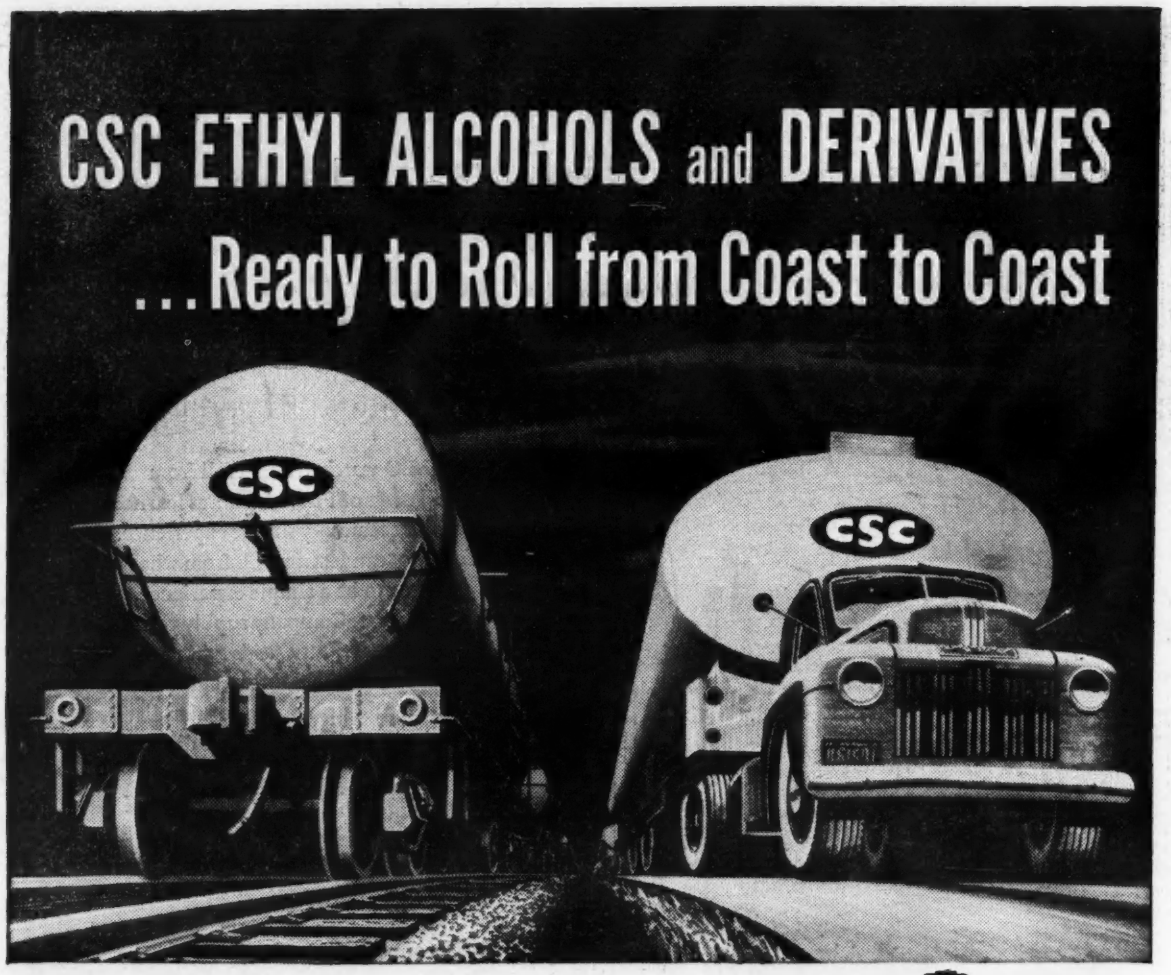
A. GROSS & Company

Ammonium Sulfocyanide—Bismuth Subgallate

Ammonium sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, com'l, cbys., 100% basis lb. 1.60 - —
highly purified, cbys., 100% basis lb. 1.70 - 1.96
Thiosulfate, cryst., photo grade, fib dms., frt. alld lb. .65 - —
60% solution, dms., c.l., works. lb. .06½- —
d-Amphetamine hydrochloride dibasic, bots lb.28.00 - —
dl, dms lb. 6.00 - —
d-monobasic, bots lb.28.00 - —
d-Phosphate, dibasic, bots lb.28.00 - —
dl, cms lb. 6.00 - —
d-Sulfate, dms lb.28.00 - —
dl, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., frt. alld. E. of Rockies lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
ex pentane, regular, dms., c.l., dlvd lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
technical, dms., c.l., dvid lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol amyl).
n-Butyrate, dms lb. .90 - 1.25
Cinnamic aldehyde, dms lb. 1.70 - 2.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 - 1.05
o-tert-Amyl phenol, dms., c.l., works. lb. .43¾- —
l.c.l., works lb. .46¾- —
tanks, works lb. .41¾- —
p-tert-Amyl phenol, dms., c.l., works. lb. .26½- —
l.c.l., works lb. .27½- —
tanks, works lb. .25½- —
Anethole, NF, cns., dms lb. 1.25 - 1.55
tech., dms lb. .75 - 1.20
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms., c.l., works, frt. alld. lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., frt. alld lb. .33 - —
Anise, Mexican, bgs lb. .24 - —
Spanish, bgs. lb. .26 - —
Syrian lb. .21 - .22
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs lb. .24 - —
powdered dms lb. .28 - —
Anthracene 80-85% bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .88 - —
Antimony butter (see Antimony trichloride)
Metal, bulk, c.l., mines lb. .28½- —
cases, c.l., mines lb. .29 - —
Oxide, bgs., c.l., frt. alld lb. .26 - —
l.c.l., frt. alld lb. .27½- —
Sulfide, approx. 60%, bgs., dlvd. lb. .27 - .30
Trichloride, anhyd., pails, c.l., works lb. .38½- —
l.c.l., works lb. .40½- —
Antimony potassium tartrate, tech., gran. or powd., dms lb. .56 - .59
USP, powd., dms lb. .61 - .62
Antipyrine, NF, dms lb. 2.50 - 2.70
Apomorphine hydrochloride, USP, bots oz.23.40 -33.90
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1-kilo lots kilo.77.00 - —
Argols, min. 50%, bgs shipment ports per 100 kilos, 100% basis.19.50 - —
Arnica flowers (true montana), bls. lb. .70 - .71
Arsenic metal, lump, bbls., prompt ship't lb. .60 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd lb. .05¼- —
t.c.l. dlvd. lb. .06½- .07½
Asafetida, es lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.1,300.00- —
No. 2, c.l. (20 tons), mines ton.675.00 - —
Run-of-mine, c.l. (20 tons), mines ton.556.00 - —
3K, c.l. (20 tons), mines ton.436.00 - —
3R, c.l. (20 tons), mines ton.371.00 - —
3T, c.l. (20 tons), mines ton.348.00 - —
3Z, c.l. (20 tons), mines ton.321.00 - —
4K, c.l. (20 tons), mines ton.173.00 - —
4m, c.l. (20 tons), mines ton.173.00 - —
4T, c.l. (20 tons), mines ton.156.00 - —
4Z, c.l. (20 tons), mines ton.156.00 - —
5D, c.l. (20 tons), mines ton.122.50 - —
5K, c.l. (20 tons), mines ton.122.50 - —
5M, c.l. (20 tons), mines ton.116.50 - —
5R, c.l. (20 tons), mines ton.110.00 - —
6D, c.l. (30 tons), mines ton.78.00 - —
7D, c.l. (30 tons), mines ton.68.50 - —
7F, c.l. (30 tons), mines ton.65.00 - —
7H, c.l. (30 tons), mines ton.55.00 - —
7K, c.l. (30 tons), mines ton.46.00 - —
7M, c.l. (30 tons), mines ton.40.00 - —
7R, c.l. (30 tons), mines ton.39.00 - —
7T, c.l. (30 tons), mines ton.37.00 - —
Asbestos, Canadian, crude, 7RF, c.l., (30 tons), mines ton.40.00 - —
7TF, c.l. (30 tons), mines ton.40.00 - —
8S, c.l., (30 tons), mines ton.27.00 - —
Asbestos c.l. prices are in U. S. funds. L.c.l. lots, $4 per ton higher.
Asphalt, gilsonite, black, jet, bgs., c.l., mines ton.37.00 - —
select, 350°F., fusing point, bgs., c.l., mines ton.38.00 - —
270°-295°F fusing point bgs., c.l., mines ton.37.00 - —
seconds, 300°-390°F. fusing point, bgs., c.l., mines ton.32.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion, tanks, tank wagon refinery gal. .09½ .10
steam-refd., less than 80 penetration tanks, tankwagon, refinery ton 22.00 - —
80-300 penetration, tanks, tank-wagon, refinery ton.21.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots oz. 7.00 - 8.00
Sulfate, USP, bots oz. 4.00 - 5.00

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 - 1.45
Barberry root, bark, bags lb. .28 - .30
Barbital, USP, 100-lb. dms lb 4.50 - —
Sodium, USP, dms lb. 4.75 - 4.77
Barium carbonate, precip., bgs., c.l., works ton 92.50 - —
smaller lots works ton 102.50 - —
Chlorate, kgs., works lb .32 - .36
Chloride, anhyd. bgs., c.l., works ton 158.00 - —
t.c.l., works ton 168.00 - —
crystals, tech., dms., c.l., works. 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.50 - —
NF, cryst., dms lb. .18 - —
Chromate, bgs. frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate, crystals, bgs ton.190.00 -200.00
Monoxide (see Oxide).
Nitrate, bbls., c.l., works lb. .12½- —
l.c.l., works lb. .14 - —
Oxide, grd., dms., c.l., frt. equald. ton.255.00 - —
t.c.l., works ton.265.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, ctns., c.l., frt. alld lb. .37 - —
l.c.l., same basis lb. .38 - .42
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb .14 - .14½
Sulfide, dms., c.l., works ton.85.00 - —
l.c.l., works ton 95.00 - —
Barytes, Southern off-color, bgs., mines ton.25.00 - —
95.75%, bgs., mines ton.25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton.41.60 - —
ex-whse., N. Y. ton.60.10 - —
Bauxite, bulk, mines ton. 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .28 - .32
root, bls lb. .45 - .50
Bentonite, dom., 200 mesh bgs., works ton.14.00 - —
imported, Italian, white high gel., bgs., 5 ton-lots, ex-whse. ton.80.60 - —
1 ton-lots, ex whse ton 83.10 - —
low gel, bgs., 5 ton-lots, ex-whse. ton.78.95 - —
1 ton-lots, ex whse ton.81.45 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldenyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .009 - .01
t.c.l., works, gamma unit-lb. .015 - —
dust, dry, distributors, dms., c.l., dlvd., gamma unit-lb. .013 - —
l.c.l., dlvd. gamma unit-lb. .014 - —
wet, distributors, dms., c.l., dlvd., gamma unit lb. .02 - —
l.c.l., dlvd., gamma unit-lb. .021 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine, dms lb. 3.48 - 3.50
Benzol, pure or nitration, tanks, works
Bethlehem, Pa gal. .40 - —
Birmingham district gal. .40 - —
Chicago district gal. .40 - —
Cleveland district gal. .40 - —
Geneva, Utah gal. .40 - —
Johnstown, Pa gal. .40 - —
Lackawanna, N. Y. gal. .40 - —
Lone star, Texas gal. .40 - —
Lorain, Ohio gal. .40 - —
Minnequa, Colo gal. .39 - —
Philadelphia district gal. .40 - —
Pittsburgh district gal. .40 - —
Sparrows Point, Md. gal. .40 - —
Syracuse, N. Y. gal. .40 - —
Terre Haute, Ind gal. .40 - —
Youngstown, Ohio gal. .40 - —
Benzophenone, dms lb. 1.40 - 1.70
Benzonitrile, dms., c.l., works lb. .46¾- —
l.c.l., works lb. .47 - —
Benzotrichloride, cbys., frt. equald. lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .21½- .24½
l.c.l., same basis lb. .22½- .25½
Peroxide, pure, fib. ctns., works. lb .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .62 - 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .62 - 1.10
Chloride, tech., cbys., dms., c.l., works, frt. equald lb. .20½- .23½
l.c.l., same basis lb. .21½- .24½
High grade benzyl chloride, 2c. higher.
Cinnamate, cns. lb. 3.35 - 3.90
Formate, cns. lb. 1.30 - 2.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Benzyl isoeugenol, cns lb. 8.60 - 9.10
Berberine bisulfate, cns lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Betagammapicoline (see b,g-Picoline).
Betamethylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol).
Betanaphthylamine (see b-Naphthylamine).
Betaphenylethylamine (see b-Phenylethylamine).
BHC (see Benzene hexachloride, technical).
Biotin cryst., bots gram.10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb. 5.11 - —
Hydroxide, dms lb. 4.65 - —
Metal, oxs., ton lots lb 2.25 - —
Nitrate, cryst., dms. lb. 2.10 - —
Oxide, anhydrous, dms lb. 4.47 - 5.05
Oxychloride, dms. lb. 4.37 - 4.42
Phenolsulfonate, fib. dms lb. 5.22 - —
Subcarbonate, USP, dms lb. 3.20 - —
Subgallate, NF, fib. dms lb. 3.15 - —



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Rossville Gold Shield® U.S.P.
Shellacol®
Quixol® Quakersol®

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Butyl Acetate	Hydroxylammonium Salts
Butyl Stearate	Nitroparaffins
Dibutyl Phthalate	Formaldehyde
Tributyl Phosphate	Pentaerythritol
Methanol	Acetone
Ammonia	Methylamines

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Bismuth subiodide, fib, dms....lb. 5.37 - —
Subnitrate, NF, dms.....lb. 2.65 - —
Subsalicylate, USP, dms.....lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works.lb. .17 - —
cs., l.c.l., ship't point.....lb. .22½- .26
Ash (see Barium Sulfide).
Bone, dms., l.c.l., frt. alld.....lb. .15½- .22
Pacific coast bone black prices, 2c per lb higher
Carbon, channel, pigment, high color, beads, ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse.lb. .78 - —
medium color, uncompressed, bgs., c.l., works lb. .12 - —
l.c.l., dlvd. or whse.lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works ....lb. .074 - —
l.c.l., works .....lb. .1225- —
furnace last extruding bgs., c.l. works lb .06 - —
ctns., l.c.l., whse .....lb. .10 - —
high abrasion, bulk, c.l., works lb .0750- —
bgs. c.l., works lb. .0790- —
l.c.l., dlvd or whse lb .122 .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., cns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Iron oxide, pure, bgs., c.l., works, lb. .12¾- —
l.c.l., works .....lb. .13 - —
Lamp, bgs., c.l., works.....lb. .16 - .45
Mineral, bgs., works .....lb. .0160- .0675
Blackberry root bark, bls.....lb. .50 - —
Black haw root bark, bls.....lb. .65 - .70
tree bark, bls .....lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton.190.00 - —
l.c.l., works .....ton.200.00 - —
direct process, bgs., c.l., works. ton.100.00 - —
l.c.l., works .....ton.110.00 - —
N. Y. whse .....ton.140.88 -165.00
pulp, 70%, bbls., c.l., works. ton.105.00 - —
l.c.l., works .....ton 115.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works .....100 lbs. 6.52 - —
blood, dried, 16-16½% ammonia, bgs. unit-ton. 8.40 - —
high-grade unground, 16-17% ammonia, bgs., Chicago. unit-ton. 9.00 - —
soluble bgs., c.l.....lb .16½- .18
l.c.l .....lb .17½- .25
Bloodroot, bls .....lb. .60 - .65
Blue alkali, dry, bbls., dlvd. N. or Penn and N C., E. of Miss R. including St Paul Minneapolis, Davenport Rock Island, St. Louis lb 2.00 - —
toner bbls. litho flushed same basis lb 1.15 - —
Chinese, bbls., same basis lb. .48 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls., same basis lb. 3.85 - —
Milori, bbls., same basis lb. .48 - —
Peacock, fugitive, 100% color strength, bbls., same basis lb .75 - —
Phthalocyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls. same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .48 - —
soluble, bbls., same basis lb. .48 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis. lb. .16½- .18½
regular types, dry, bbls. same basis lb. .22½- .35
Victoria toner, molybdic, PMA, bbls lb 4.10 - —
tungstated, PTMA, bbls .....lb. 5.00 - —
Blue dry colors, dlvd prices 4½c higher Ala., Fla., Ga., La. (Shreveport 1¼c), Miss., N. C., S. C., Tenn. Tex (El Paso 2c), Cedar Rapids, Des Moines Kansas City Lincoln Omaha, St. Joseph 16c higher. Pac Coast Denver Pueblo, Salt Lake City Wichita frt. equalized with Chicago
Blue vitrol (see Copper sulphate).
Bluestone (see Copper sulphate)
Bonemeal, steamed, works, E. ton.62.00 - —
Bone phosphate, defluorinated (see D).
of lime (see Calcium phosphate, tribasic)
precipitate, (see Calcium phosphate tribasic NF precip).
Borax, tech., anhyd., bgs., c.l., works. ton.78.00 - —
ton lots ex whse. N. Y. or Chicago ton.125.75 - —
bulk, c.l., works ton.70.00 - —
crystals, 99%, bgs., c.l., works. ton.67.25 - —
ton lots, ex-whse., N. Y. or Chi ton.115.00 - —
smaller lots, same basis. ton.120.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.41.25 - —
ton lots, ex whse., N. Y. Chi ton.89.00 - —
smaller lots, same basis. ton.94.00 - —
bulk, c.l., works .....ton.35.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.55.50 - —
ton lots, ex whse, N.Y., Chi ton.108.25 - —
smaller lots, same basis. ton.103.25 - —
powder, 99½%, bgs., c.l., works ton.46.25 - —
ton lots, ex-whse., N. Y. or Chi. ton.94.00 - —
smaller lots, same basis. ton.99.00 - —
Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher. USP borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .18 - .24
l.c.l., same basis.....lb. .19 - .26
Borneol, cns. .....lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works .....lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Bromine, purified, cs., c.l., dlvd. E. of Rockies lb. .27 - —
l.c.l., up to 1,000 lb. lots, same basis lb. .29 - —
dms., lead-lined, dlvd.....lb. .34 - —

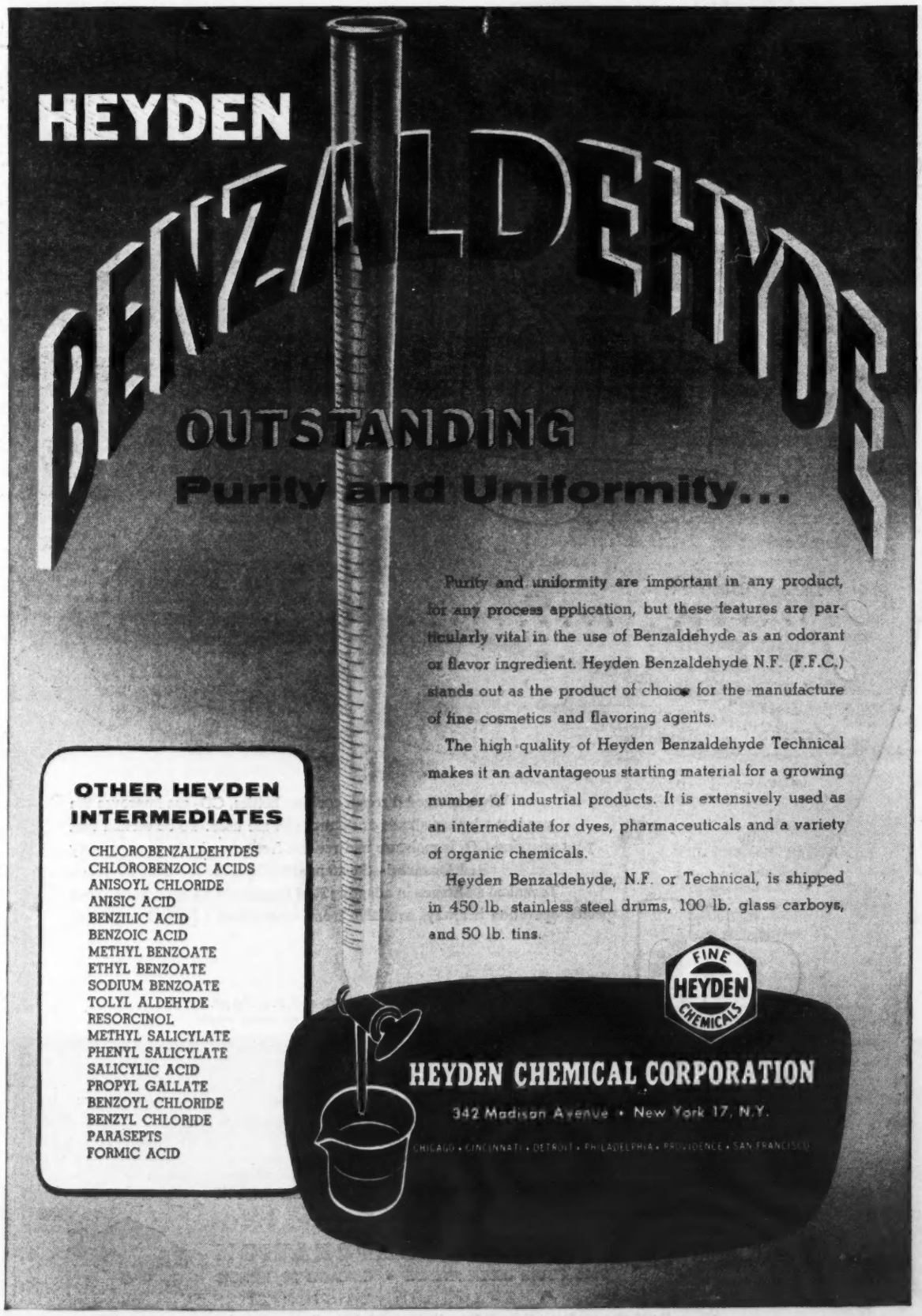
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys .....lb. 1.52 - —
Bromstyrol bots.....lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown iron oxide, pure, bgs., c.l., works lb. .13¾- —
l.c.l., works lb. .14 - —
Oxide, metallic, bgs, works....lb. .04 - —
Sienna, burnt, paper bgs., c.l., works. lb. .04¼- .15¼
c.l. works lb .04½ .15½
raw paper, bgs. c.l. works lb .04½ .13
l.c.l. works lb .04¾ .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works .....lb. .06¼ .07
Turkey type bgs. c.l. Boston, Bethlehem Easton Pa., Hiwassee, Va., N. Y lb. .06¾- —
l.c.l., works .....lb. .07 - —
raw, American bgs. works lb .06¼ .06½
Turkey-type, bgs., works lb. .06¾ .07
Vandyke bbls. works lb .09½ .12
Brucine, cns., 100-oz. lots oz. .20 .35
Sulfate, NF, cns., 100-oz. lots lb. .15 - .30
Buchu leaves, bls .....lb. .50 - —
Butadiene refined, cyls., refinery.lb .22 - —
tanks refinery lb .15 - —
Butane, indust., tanks, group 3 gal. .03 - —
n-Butyl acetate, fermentation, dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis .....lb. .16 - —
tanks, same basis .....lb. .13 - —
Butyl acetate, n-synthetic, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .13 - —
sec-synthetic, dms., c.l., dlvd. E. lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
tanks, same basis.....lb. .10¾- —
Alcohol (see Alcohol n-Butyl).

Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works.....lb. .37½- —
l.c.l., works lb. .38 - —
n-Ether, dms., c.l., works.....lb. .31½- —
l.c.l., works.....lb. .32 - —
tanks, works.....lb. .30 - —
Lactate dms., c.l., frt. alld. E. of Rockies lb. .35 - —
l.c.l., same basis.....lb. .36 - —
tanks, same basis lb 33 - —
Laurate, dms., works.....lb. .39 - —
Methacrylate normal, dms., less truckloads works lb 70 - —
Oleate, refd., dms., l.c.l., works.lb. .32 - —
Phenylacetate dms lb 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms, l.c.l., frt. equald lb. .24 - .27
Butylamine (see mono-di-, and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works.....lb. .50 - —
tanks, works.....lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .27½- —
l.c.l., works .....lb. .28½- —
Butyraldehyde, dms., c.l., dlvd lb. .21½- —
l.c.l. dlvd .....lb. .22½- —
tanks, dlvd .....lb. .19½- —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter)
Cadmium iodide, jars lb 6.75 - 7.05
Metal ingots or sticks, cs., dlvd. lb. 1.70 - —

Caffeine, natural, USP, cryst., dms., 100-lb. lots or more lb. 2.65 - —
anhydrous, dms .....lb. 2.85 - —
synthetic, USP crys., dms., 100 lb. lots or more lb. 2.65 - —
anhydrous, dms., 100 lbs or more lb. 2.85 - —
citrated, USP, dms., 100-lb. lots or more lb 2.65 - —
Calamine, USP, dms .....lb. .34 - —
Calciferol, cryst., vials, 1 kilo lots, works gram. .75 - —
25 to 100 gram lots, works. gram. .80 - .90
in edible oil (see Viosterol).
Calcium, p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adj. lb. 7.00 - —
smaller lots, same basis .....lb. 7.05 - 7.50
Arsenate, dealers, dms., c.l., whse works, frt alld on 96 lbs or over lb .09 .10
l.c.l., same basis .....lb. .10 - —
Bromide, NF, jars .....lb. .92 .94
Carbide, standard generator size, dms., c.l., dlvd ton.134.40 - —
Carbonate, natural, dry-grd., air floated, 99.5%—325 mesh, bgs., c.l., works ton. 7.50 - 10.00
chalk, whiting, 325 mesh, bgs., works ton.32.00 -34.00
water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00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Purity and uniformity are important in any product, for any process application, but these features are particularly vital in the use of Benzaldehyde as an odorant or flavor ingredient. Heyden Benzaldehyde N.F. (F.F.C.) stands out as the product of choice for the manufacture of fine cosmetics and flavoring agents.
The high quality of Heyden Benzaldehyde Technical makes it an advantageous starting material for a growing number of industrial products. It is extensively used as an intermediate for dyes, pharmaceuticals and a variety of organic chemicals.
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CHLOROBENZALDEHYDES
CHLOROBENZOIC ACIDS
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ANISIC ACID
BENZILIC ACID
BENZOIC ACID
METHYL BENZOATE
ETHYL BENZOATE
SODIUM BENZOATE
TOLYL ALDEHYDE
RESORCINOL
METHYL SALICYLATE
PHENYL SALICYLATE
SALICYLIC ACID
PROPYL GALLATE
BENZOYL CHLORIDE
BENZYL CHLORIDE
PARASEPTS
FORMIC ACID
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CHICAGO • CINCINNATI • DETROIT • PHILADELPHIA • PROVIDENCE • SAN FRANCISCO
Chemical Progress Week, May 17-22

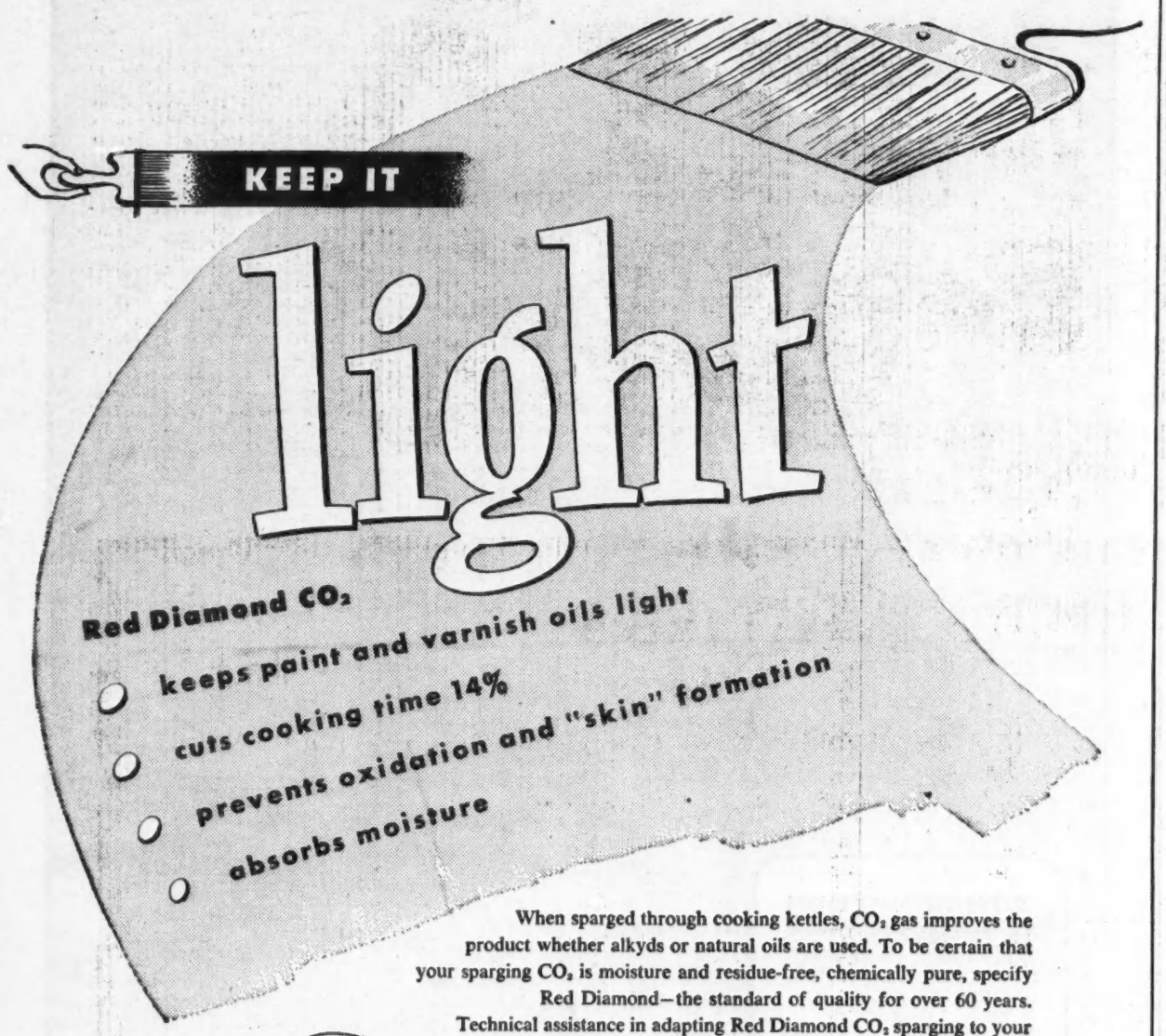
Calcium Carbonate, Precip.—Chlorophyll, Oil Soluble

Calcium carbonate, precip., dense, bgs., c.l., works ton 30.00 - 33.00
t.c.l., works ton 40.00 - 48.00
medium, bgs., c.l., works ton 35.00 - —
t.c.l., works ton 45.00 - 50.00
surface treated, bgs., c.l., works ton 35.00 - 50.00
t.c.l., works ton 45.00 - 65.00
ultrafine, bgs., c.l., works ton 110.00 - 160.00
t.c.l., works ton 120.00 - 175.00
Chloride, cryst., purified, dms lb. .27 - —
dihydrate 77-80% paper bgs. c.l. works, frt. equald ton 27.00 - —
liquor 40% tankcars works frt. alld ton 11.35 - —
pellets, bgs., c.l., works ton 33.00 - —
powder, bgs., c.l., works ton 37.65 - —
solid, 73-75% dms. c.l. frt equald ton 25.50 - —
t.c.l. works same basis ton 34.00 - 71.00
USP, gran., dms lb. .40 - —
Chromate bgs. frt equald lb 29½ .30
Cyanide dms. divd E of Rockies lb. .24 .50
Gluconate, AA bbls. dms lb. .70 .72
USP bbls. dms lb. .63 .65
Glycerophosphate, NF, fib. dms lb. 2.30 - 2.45
Hydride, dms., works lb. 2.20 - 4.00
Hypochlorite, high test, cased (45 lbs.), dlvd. E of Rockies cs 22.60 - 24.75
dms., 100-lb., same basis dm 28.65 - 32.50
Hypophosphite, dms., ton lots or less lb 90 .93
Iodide jars m 4.52 —
Lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48

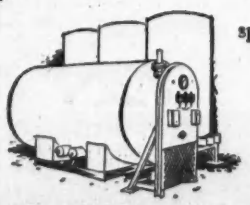
Calcium mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt equald lb. .27½ - —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton 48.00 - —
tech., dms., works lb. .13 - —
d-Pantothenate, jars, 100-gram lots or more, frt. adjusted, gram .07½ - —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms. lb. .70 - —
Phosphate dibasic USP bgs., c.l., works 100 lbs 7.10 - —
t.c.l. 100 lbs 7.60 - 7.95
feed grade, bgs., c.l., works ton 74.00 - 84.00
t.c.l., bgs., works ton 85.00 - 95.00
monobasic bgs 10,000-lb lots works, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis, 100 lbs. 6.55 - —
tribasic, precip. NF, bgs., c.l., works 100 lbs. 7.60 - —
t.c.l. works 100 lbs 7.95 - —
Phytate, bgs., works lb. .27 - —
Resinate, precip., dms., frt. alld., works lb. .27¾ - —
Silicate, hydrated, bgs., c.l., works, lb. .06 - —
t.c.l. works lb. .06½ - —
Stearate, ctns., c.l. lb. .35 - —
t.c.l. lb. .36 - .40
Sulfate (see Gypsum).
Calcium-strontium sulfide, phosphorescent steel pails, 100 to 999 lb lots, works lb. 2.60 - 3.50
fine particle size, same basis, works lb 2.65 - 3.75
Calomel, USP powd dms. lb. 4.02 - 4.05

Camphene, 46° m.p., dms., incl., c.l., works lb. .1930 - —
t.c.l., same basis lb. .1980 - .2115
tanks, same basis lb. .1660 - —
Chlorinated, 67-69% (see Toxaphene).
Camphor monobromated, NF, dms., bgs lb 3.00 - 3.12
natural, USP, powd., bbls., 100-lb. lots lb. .51 - .53
tablets 1-oz. ½ oz cs lb .63 - .65
synthetic, tech., 1 bbl. or more lb. .49 - —
USP, gran., powd., bbls, 2,000-lb. lots lb. .54 - —
1,000-lb. lots lb. .55 - —
smaller lots lb. .56 - —
tablets, tins, 2,000-lb. lots lb. .85 - —
1,000-lb. lots lb. .86 - —
smaller lots lb. .87 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb 2.00 - 2.05
powd. bxs. lb 2.25 - 2.30
Russian, bgs. lb 4.00 - 4.05
powd. bxs. lb 4.35 - 4.40
Capsicum (see Pepper, red).
Oleoresin NF from domestic pepper, dms. lb. 4.50 - 5.25
from African pepper, dms. lb. 4.35 - 5.00
Caraway seed, Dutch, bgs. lb. .16 - .16½
Carbazole 97% bbls. ton lots, works lb. 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).
Carbon dioxide, industrial, wholesale, bulk ton 73.00 - 115.00
cyls. lb. .08 - —
solid lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .0750 - —
l.c.l., same basis lb. .0850 - —
5-gal. dms., c.l., same basis lb. .1025 - —
t.c.l., same basis lb. .1125 - —
tanks, same basis lb. .0525 - —

Carbon tetrachloride, CP, dms., works lb. .11 - .13¾
NF, chys lb. .17 - .18
tech., dms., c.l. E of Rockies, frt alld lb. .0925 - —
W. of Rockies, f.o.b., stockpoints lb. .0975 - —
l.c.l., E. of Rockies, frt. alld. alld lb. .115 - —
W. of Rockies, f.o.b. stockpoints lb. .12 - —
tanks, E. of Rockies, frt. alld. lb. .0825 - —
W. of Rockies, f.o.b. stockpoints lb. .12 - —
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb lots, works lb 4.00 - 4.25
smaller lots, works lb 4.10 - 4.75
Cardamom fruit, fancy, bleached, A, cs lb. 3.95 - —
medium, cs lb. 3.70 - —
decorticated, Alleppey, cs lb. 2.10 - —
Guatemalan, cs. lb. 1.90 - —
green, Alleppey, bgs lb. 1.90 - —
Ceylon, bgs. lb. 1.90 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100 lb. lots or more, dlvd lb. 6.50 - —
smaller lots, dlvd lb. 6.65 - 7.15
Carotene, technical, 1,350,000 A units per gram, tins, works gm. .53 - —
in carrot oil 5,000,000 to 8,000,000 A units, per lb. dms., works, million units. .18 - —
microcrystalline in oil 400,000 A units per gram, tins, works, million units. .33 - —
Carvol, bots lb. 4.75 - 9.65
Cascara sagrada bark, bulk lb. .36 - —
Casein, dom., acid precip., standard, bgs. 10,000 lb lots or more, ship't point lb. .27 - .30
premium bgs 10,000-lb lots or more, ship't point lb. .35 - .40
imported, Argentine acid precip., grd., 100-bg. lots or more, duty paid lb. .17 - .17¼
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls lb. .14½ - .15
longstick, cracked, bls lb. .16½ - .17
shortstick, cracked, bls lb. .15½ - .16
Saigon, broken, bxs. lb. Nominal
medium, bls. lb. .85 - —
thin, bls. lb. .90 - —
Castor beans, bgs., f.o.b. Brazilian ports long ton 105.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton 27.00 - —
natural, cns lb. 5 00 - 30.00
Catechol, CP, cryst., fib. dms., works lb. 2.17½ - —
resublimed, dms., works lb. 4.29½ - —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs lb. .46 - .48
Indian, bgs. lb. .19 - .19¼
Celluloid scrap (see Pyroxylin scrap).
Cerium hydrate, 74% CeO_2, fib. dms., 100-lb lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.05 - —
Oxide, optical grade, bgs. 50-lb. lots or more, works lb. 1.85 - 1.98
smaller lots works lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs lb. .70 - .75
Roman cs lb. 1.00 - 1.15
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26¼ - .32½
smaller lots works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton 77.00 - 88.00
granular, bgs., works ton 77.00 - —
bulk c.l., works ton 70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton 53.50 - 63.50
t.c.l., works, South ton 53.50 - 63.50
lump bgs., c.l., works, South ton 50.00 - —
t.c.l., works, South ton 53.00 - 67.50
bulk, c.l., works, South ton 31.50 - —
Chestnut extract, liquid, 25% tannin, bbls., c.l., works lb. .0510 - —
t.c.l., works lb. .0543 - —
tanks, works lb. .04¼ - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1592 - —
t.c.l., works lb. .1165 - —
Chloral, tech., 94% min., dms., c.l. works lb. .23 - —
t.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots lb. 1.33 - —
100-lb. lots or less lb. 1.35 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
Chlordan, agricultural, dms., c.l., frt. alld lb. .65 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .66 - —
clarified, dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .76 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .75 - —
o-Chlorobenzaldehyde, dms., works, lb. 1.20 - —
p-Chlorobenzaldehyde, dms., works, lb. 1.33 - —
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½ - —
l.c.l., same basis lb. .16½ - —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .60 - —
l.c.l., works lb. .61 - .63
Chlorine, liquid, cyls., c.l., works, frt. equald lb. .09½ - —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.83
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - .183
l.c.l., same basis lb. .19 - .20
tanks, same basis lb. .17 - .171
USP, dms lb. .30 - .35
2-Chloro-4-nitroaniline, paste, 100% basis lb. .81 - —
4-Chloro-2-nitroaniline, dms., dlvd. lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .34½ - —
l.c.l., same basis lb. .35½ - —
p-Chlorophenol, dms., c.l., frt. equald. lb. .34½ - —
l.c.l., same basis lb. .35½ - —
Chlorophyll, oil soluble, 4%, not fixed, pails, tins, works lb. 4.25 - —
copper fixed, 6½% tins, pails, works lb. 4.25 - —



When sparged through cooking kettles, CO_2 gas improves the product whether alkyds or natural oils are used. To be certain that your sparging CO_2 is moisture and residue-free, chemically pure, specify Red Diamond—the standard of quality for over 60 years. Technical assistance in adapting Red Diamond CO_2 sparging to your specific operation is always available from experienced LIQUID engineers.



Liquiflow CO_2 Receiver. Unit stores liquid CO_2 at 0° F. at 300 psi. The LIQUIFLOW volume CO_2 system assures a constant supply of the highest quality CO_2 at all times.

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CO_2 is a safe, sure pressure medium for transferring oils from cooking kettle to storage tank.

CO_2 placed in top of cooking kettle forms an effective atmosphere "blanket"—guards against fire or explosion.

CO_2 used to blow out large filters recovers all of the oil, cuts cleaning time, leaves filter clean and dry.

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Chlorophyll, sodium-copper, aqueous soln., 4%, dms., pails, works lb. 3.75 - —
8%, pails, dms., works lb. 4.00 - 4.80
14%, dms., works lb. 8.90 - —
concentrated, dom., 50%, dms., works, 100% basis lb. 42.00 - —
75%, dms., works, 100% basis lb. 45.00 - —
90%-100%, dms., works, 100% basis lb. 45.00 - —
imported, 60%, tins, 100% basis lb. 58.00 - —
90%, tins, 100% basis lb. 58.00 - —
75%, tins, 100% basis lb. 58.00 - —
Chloropicrin, com'l. bots. lb. 1.50 - —
cyls. 180 lbs. frt. alld. lb. 95 - —
100 lbs., same basis lb. .97 - —
25 lbs. same basis lb. 1.22 - —
Cholesterol, USP, fib, dms., 100-lb. lots lb. 6.85 - —
Choline bitartrate fib dms., frt. adjusted lb 1.50 - 1.75
Chloride fib dms., frt. adjusted lb 1.50 - 1.75
Dihydrogen citrate, fib dms., frt. adjusted lb 1.50 - 1.75
Chromium acetate, soln., 7½% bbls., works lb. .08½ - —
chys. works lb. 10¼ - —
Fluoride, bbls., works lb. .51 - .52
Green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide, NF, bags lb. 82 - 89
Yellow, (see Yellow, chrome)
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow, broken, bgs lb. .35 - .40
Cinchonidine, cryst., cns., 100-oz. lots oz. .65 - —
Sulfate, cns., 100-oz. lots oz. .37 - .40½
Cinchonine, cryst., cns., 100-oz. lots oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½ - .30½
Cinchophen, NF, heavy density, dms., frt. adjusted lb 3.70 - 4.05
standard density, dms., same basis lb 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb 4.50 - 4.85
Cinnamic alcohol (see Alcohol, cinnamic).
Cinnamon, Ceylon, No. 2, bls. lb. .40 - —
"0000," bgs., ship't lb. .52 - —
Citral, bots., cns. lb. 3.50 - 4.50
Citronellal, bots., dms. lb. 1.85 - 2.50
Citronellol, bots., ums. lb. 2.00 - 2.55
Civet, artificial, bots. lb. 13.75 - 15.00
natural, bots. oz. 7.50 - 15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton. 19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton. 10.00 - —
purified, bgs., c.l., Tenn ton. 20.50 - —
imported, airfloated, bgs., c.l., Atlantic port, long ton. 42.00 - 45.00
lump, bulk, Atlantic port. ton. 27.00 - 30.20
China, dom., dry-grd., air-float, 99%, 325 mesh, bgs., c.l., Georgia, works ton. 10.00 - —
l.c.l., Georgia, works. ton. 15.50 - —
300 mesh, bgs., c.l., Georgia, works ton. 13.50 - 14.50
l.c.l. ton. 35.00 - 36.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton. 20.00 - 35.00
powd., bgs., c.l., ex dock net ton 50.00 - —
l.c.l., ex whse. net ton. 60.00 - 65.00
Clove, Madagascar, bls. lb. .57 - .58
Zanzibar, bls. lb. .68 - .69
CMC, purified, high vis. (see Gum Cellulose).
standard, low vis., bgs., 23,000 lbs. or over, works, frt. alld. lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt. alld. lb. .57 - —
smaller lots, same basis lb. .59 - —
tech., high vis., 58% purity, bgs., 20,000 lbs. or more, dlvd. E., basis 100% lb. .56 - —
2,000 to 20,000 lbs., dlvd. E., basis 100% lb. .58 - —
less than 2,000 lbs., dlvd. E lb. .62 - —
low vis., 80% purity, bgs., or fib. dms., 23,000 lbs. dlvd. E., basis 100% lb. .39 - —
less than 23,000 lbs., dlvd. E., basis 100% lb. .41 - —
62% purity, bgs., or fib. dms., c.l., dlvd. E., basis 100%, lb. .39 - —
l.c.l., dlvd. E., basis 100% lb. .41 - —
58% purity, bgs., c.l., dlvd. E. basis, net weight lb. .34 - —
l.c.l., dlvd. E lb. .36 - —
47½% purity, bgs., c.l., dlvd. E., basis 100% lb. .39 - —
l.c.l., dlvd. E lb. .41 - —
36½% purity, bgs., c.l., dlvd. E. basis, net weight lb. .13½ - —
l.c.l., dlvd. E lb. .20 - —

CMC prices W. of the Rockies are 1c. per lb. less than dlvd. E. prices.

Coaltar, crude resale dms., c.l., ex-whse. gal. .275 - .30
l.c.l., ex-whse gal. .285 - .32
tanks, ex works gal. .154 - .165
refined, resale, dms., c.l., ex-whse. gal. .2850 - .3125
l.c.l., ex-whse gal. .2950 - .3245
tanks, ex-whse gal. .1650 - .1760
Cobalt acetate, 23.7%, bbls., dlvd lb. 1.37 - —
Carbonate, 46% powd., bgs., dlvd. lb. 2.28 - —
Chloride 24.2% Co. kgs., dlvd. lb. 1.27 - —
Hydrate, 60-61% Co, bbls., dlvd lb. 2.90 - —
Linoleate, fused, 8½% Co., dms. lb. .75¾ - —
liquid, 6% Co., dms lb. .61 - —
Metal, 97-99% kgs., ex whse lb. 2.60 - —
Naphthenate, liquid, 6% Co., dms., dlvd lb. .48¼ - —
Nitrate, 20.1% Co., bbls., dlvd lb. 1.12 - —
Phosphate, powdered, 32.1% Co., kgs., dlvd lb. 1.79 - —
Oxide, black, 72½-73½% Co., kgs. lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Resinate, fused, 3% Co., dms lb. .29¾ - —
Sulfate, cryst., 21% Co., dms., dlvd lb. .95 - —
monohydrated, 33% Co., dms dlvd lb. 1.49 - —
Tallate, 6% Co., dms., dlvd lb. .45 - .53½
Cocaine, USP, cns., 100-oz. lots oz. 15.00 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, USP, gray, bgs lb. .83 - .90
Cocillana bark, bgs lb. .65 Nom.
Cocoa butter, bgs. lb. 1.02 - —
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .22 - .25
blue, bls. lb. .22 - .25
Colchicine, USP, bots., cns. oz. 33.50 - 40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .80 - 1.10
Collodion, USP, dms lb. .32½ - —
flexible, USP, dms lb. .34 - —
Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. .20 Nom.

Copaiba balsam, cns., dms. lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .40 - —
l.c.l., works lb. .41 - —
Carbonate, 55%, bgs., works lb. .263 - .278
Chloride, anhyd., bbls., works lb. .39 - —
crystals, bbls., works lb. .26¼ - —
Cyanide, tech., bbls., 1,000-lb. lots or more lb. .619 - —
smaller lots lb. .639 - —
Gluconate, cns., dms lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .40¼ - .40¾
Metal, electrolytic, dlvd., Valley basis lb. .30 - —
Naphthenate, liquid, 8% Cu., dms., frt. alld lb. .21½ - —
Nitrate, tech., cryst., bbls., works lb. .33¼ - —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., works lb. .39 - .44
red, com'l, bbls., works lb. .41 - .46
Oxychloride, bls., frt. alld lb. .40 - .50½
Quinolinolate fib dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .37¼ - —
Sulfate, CP, gran., bbls., works lb. .1715 - —
cryst., 99%, bgs., c.l., works. 100 lbs. 10.35 -
l.c.l., works 100 lbs. 10.60 - 11.35
monohydrated, 35% dms., c.l., works 100 lbs. 17.10 - 17.85
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs. 22.50 - —
l.c.l., works 100 lbs. 23.00 - 24.50
Undecylenate, dms lb. 4.90 - 5.00
Copperas (see Ferrous sulfate).
Copra, Atlantic, Gulf ports, c.i.f ton. 190.00 - —
Pacific ports, c.i.f. lb. 185.00 - —
Coriander seed, Moroccan, bgs lb. .06 - .08½
Roumanian, bgs lb. .07½ - .08

Chlorophyll, Sodium-Copper—Cutch Extract

Corn sugar, tanners, chipped, paper bgs., c.l. 60,000 lbs. min. 100 lbs. 7.31 - —
l.c.l. 100 lbs. 7.46 - —
Syrup, 42° dms., c.l. 100 lbs. 7.32 - —
l.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric Chloride).
Cortisone acetate, NNR, bulk gram. 3.75 - 4.00
Cottonseed meal, 41%, sacked, mills. ton. 74.00 - —
36%, sacked, same basis ton. 71.00 Nom.
Coumarin, cryst., NF, cns. lb 2.94 - 3.15
powd., cans lb 3.20 - 3.25
Cramp bark, NF, bls. lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots., cbys. lb. 3.05 - 3.20
Coaltar, crude, tanks, works, frt. adjusted gal. .22 - —
solution, 80%, tanks, works, gal. .2068 - —
refined, dms., c.l., works gal. .3850 - —
l.c.l., same basis gal. .4510 - —
tanks, same basis gal. .2970 - —
Wood, beechwood, chys., dms. lb. 1.60 - 1.65
hardwood, NF, bots., cbys. lb. 1.30 - 1.35
pinewood, dms., works gal. .42½ - .50½
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret., dms., c.l., frt. equald lb. .133 - —
l.c.l., same basis lb. .136 - —
ret. dms., c.l., same basis lb. .1325 - —
l.c.l., same basis lb. .1375 - —
tanks, same basis lb. .120 - .1225
Cresol, USP, non-ret., dms., c.l., same basis lb. 1.43 - —
l.c.l., same basis lb. .146 - —
ret. dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —
o-Cresol, m.p. over 30°C., ret.-dms., c.l., frt. equald lb. .17 - —
l.c.l., same basis lb. .175 - —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
l.c.l., same basis lb. .16½ - —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd. lb. .49 - —
l.c.l., dlvd lb. .51 - —
Methyl ether, cns lb. 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24¼ - .25
Cryolite, nat., industrial, bgs., c.l., works 100 lbs. 13.00 - —
l.c.l., works 100 lbs. 14.25 - —
insecticide, dealers, bgs., c.l., dlvd 100 lbs. 14.00 - —
l.c.l., dlvd. 100 lbs. 15.00 - —
Cube root, powd., 5% rotenone, bgs., works lb. .25 - —
Cubeb berries, XX, NF, bgs lb. .50 - .51
powd., cs. lb. .58 - .59
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs lb. .15 - —
Moroccan, bgs. lb. .15 - —
Turkish, bgs. lb. .14 - .14½
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½ - —

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0.1% Trituration with Mannital
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Choline Bitartrate
Choline Chloride
Choline Dihydrogen Citrate
Tricholine Citrate
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Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton 55.00 - —
pulv., 21% N, bgs., works unit-ton 2.75 - —
Cyclohexane, tech., dms., c.l., works, gal. .70 - —
l.c.l., works gal. .72 - —
tanks works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
l.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb cyls., works cyl 48 00
6 oz. cyls., works cyl 12 00 - —
USP, hospitals, cyls., 40-gal. lots gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

D

2-4-D, bbls., c.l., works, frt. equald. lb. .43½- —
l.c.l., same basis lb. .494 - —
Butyl ester, dms., c.l., works lb. .46½- —
l.c.l., same basis lb. .51½- .56½
Isopropyl ester, dms., c.l., works lb. .46½- —
l.c.l., works lb. .51½- .56½
Dandelion root, bls. lb. .35 - .40
DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib. dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks, dlvd lb. .32½- —
Deertongue leaves, bls. lb. .45 - .48
Defluorinated phosphate, 13% P, paper bgs., works ton 49.50 - —
Rock, 17% P, paper bgs., works, ton 56.00 - —
14½% P, paper bgs., works, ton 48.00 - —
Degras, common, bbls. lb. .11 - .12
neutral, less 2% ffa., bbls lb. .26 - .27
over 2% ffa., bbls lb. .25 - .26
Derris root, 5% rotenone powd., bbls lb. .26 Nom.
d-Desoxyephedrine hydrochloride bots lb. 25.00 - —
dl, bots. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 8.95 - —
l.c.l. 100 lbs 9.10 - —
canary paper bgs. c.l. 100 lbs 8.69 - —
l.c.l. 100 lbs 8.84 - —
dark, paper bgs., c.l. 100 lbs 8.79 - —
l.c.l. 100 lbs 8.94 - —
white, paper bgs., c.l. 100 lbs 8.53 - —
l.c.l. 100 lbs 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs. lb. .10½- .11
Dextrose, USP, dms. lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
Di-sec-amyl phenol, dms., c.l., works lb. 30¼ —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¼- —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
o-Dianisidine dms. lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works, lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —
p-Dibromobenzene, bgs., 500-lb. lots, lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works, lb. .68 - .68½
l.c.l., works lb. .69½- .70
tanks, works, dlvd lb. .70 - .71
Tartrate, dms., works, frt. alld lb. .64 - .71
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., works lb. .31½- .32
l.c.l., same basis lb. .32 - .33
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .66 - —
l.c.l., works lb. .66½- .67
tanks, works lb. .64 - —
2,5-Dichloroaniline dms., works lb. .75 - .83
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .16½- —
l.c.l., same basis lb. .19 - —
Dichlorodiphenyltrichloroethane (see DDT).
2,2-Dichloroethyl ether, refined, dms., c.l., dlvd. E lb. .14 - —
l.c.l., dlvd. E lb. .15 - —
tanks, dlvd. E lb. .13 - —
tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .12 - —
Dichloropentanes, dms., c.l., works. lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., frt. alld lb. .59 - —
l.c.l., same basis lb. .60 - —
Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l. frt. alld lb 2.40 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .24¾- —
l.c.l., same basis lb. .25¾- —
tanks, same basis lb. .23 - —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd lb. .67½- —
l.c.l., dlvd lb. .68½- —
tanks, dlvd lb. .65½- —
Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l. dlvd. lb. .28 - —
tanks, dlvd. lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd. E. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13¼- —
Boriborate, dms., l.c.l. lb. .31 - —
Diethyl ether, dms., c.l., works. lb. .46½- —
l.c.l., works lb. .47 - —
Monobutyl ether, dms., c.l., works lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .25¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .20¾- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .18½- —
Diethylenetriamine dms., c.l., dlvd E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41½- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo. 110.00 - —
1-kilo lot kilo. 120.00 - —
Digitalis leaves, USP, dom., dms., lb .90 - 1.10
Digitoxin, USP, bots. gram. 5.50 - 6.00
Diglycol laurate, dms. lb. .35 - .38
Oleate, dms. lb. .31 - —
Stearate, dms. lb. .26 - .27
Dihexyl sebacate, dms., c.l., works lb. .66 - —
l.c.l., works lb. .66½- .67
tanks, works lb. .64 - —
Dihydrazine sulfate, dms., works, lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .17 - —
Sulfate, bulk gram. .17 - —
2,2'-Dihydroxy-5,5'-dichloro-diphenylmethane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, same basis lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .31 - —
l.c.l. same basis lb. .32 - —
tanks, same basis lb. .29 - —
Di-isobutylene, dms., c.l., works lb. .10 - —
l.c.l., works lb. .11 - —
tanks, works lb. .09 - —
Di-iso-octyl phthalate, dms., c.l., dlvd lb. .34 - —
l.c.l., same basis lb. .35 - —
tanks, same basis lb. .32 - —
Sebacate, dms., c.l., works, lb. .65½- .66
l.c.l., works lb. .66 - .67
tanks, works, dlvd lb. .64 - .64½
Di-isopropylamine dms., c.l., dlvd. E. of Rockies lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .48 - —
Dillseed, dewhiskered, bgs. lb. .14 - —
natural, bgs. lb. .13 - —
Dimethyl anthranilate, cns lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
tanks, works lb. .40 - —
Dimethyl ethanolamines, anhydrous, dms., c.l., dlvd lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., 100% basis lb. .55 - —
tanks, dlvd lb. .53 - —
Hydroquinone, dms lb. 1.70 - 2.75
Phthalate, dms., c.l., works lb. .29½- —
l.c.l., works lb. .30½- —
tanks, dlvd. lb. .27½- —
Sebacate, dms., c.l., works lb. 1.27 - —
l.c.l., works lb. 1.28 - —
tanks, works lb. 1.25 - —
Sulfate, 55-gal., ret. dms., c.l., works lb. .15 - —
l.c.l. works lb .16 - —
10-gal. ret. dms., l.c.l., works, lb. .16½- —
Dimethylamine, 25-40%, dms., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .39½- —
tanks, frt. equald lb. .33 - —
N,N-Dimethylaniline, dms., c.l., frt. alld lb. .29½- —
l.c.l., frt. alld lb. .30½- —
tanks, frt. alld lb. .28½- —
N,N-Dimethylformamide dms., works, lb. .34 - .36
tanks, works lb. .33 - —
2,4-Dinitroaniline, dms., frt. equald lb. .57 - —
m-Dinitrobenzene, 85°C., dms lb. .20 - —
89°C., dms lb. .22 - —

MONTROSE
CHEMICAL COMPANY
104-112 LISTER AVENUE
NEWARK, NEW JERSEY

tricresyl phosphate
dioctyl phthalate
dibutyl phthalate

EXCLUSIVE SALES AGENTS
R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
2205 TRIBUNE TOWER, CHICAGO, ILLINOIS

2,4-Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼ - —
l.c.l., frt. alld. E lb. .15¾ - —
tanks, frt. alld., E lb. .15 - —
2,4-Dinitrophenol, bbls. lb. .37 - —
2,4-Dinitrotoluene, oily, dms. lb. .10 - —
refined, dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works. lb. .45½ - —
l.c.l., works lb. .46½ - —
tanks, works lb. .43½ - —
Phthalate, dms., c.l., frt. alld lb. .34 - —
l.c.l., frt. alld lb. .35 - —
tanks, frt. alld lb. .32 - —
Sebacate, dms., c.l., works. lb. .65½ - .66
l.c.l., works lb. .66 - .67
tanks, works, dlvd lb. .64 - .64½
Di-o-tolyguanidine, dms., ton lots, dlvd. lb. .57 - —
smaller lots, dlvd lb. .58 - —
1,4-Dioxane, dms., c.l., works lb. .28¾ - —
l.c.l., same basis lb. .29¼ - —
tanks same basis lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., c.l., works. lb. .34 - —
l.c.l. works lb. .37 - —
Dipentene dest.-dist., dms., extra, c.l., works gal. .48½ - —
l.c.l., works gal. .53½ - —
ex-whse. gal. .70 - —
steam-dist., dms., c.l., works, South. gal. .64 - —
dlvd. N. Y gal. .82 - —
tanks, works, South gal. .50 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
Diphenyl in bags ¼c. lower.
Oxide, perfume grade, cns lb. .54 - .61
Phthalate, dms., c.l., works lb. .51¾ - —
l.c.l., works lb. .53¾ - —
Diphenylguanidine dms., ton lots lb. .48 - —
smaller lots lb. .49 - .50
Diphenylhydantoin sodium, USP., dms lb. 5.30 - 5.60
Dipropylene glycol, dms., c.l., frt. alld. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13¼ - —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½ - —
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock ton 70.00 -72.00
Divinylbenzene, 20-25%, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, dms., c.l., works, 100% basis lb. 1.00 - —
l.c.l., works, 100% basis lb. 1.15 - —
Dodecylbenzene, dms., c.l., frt. equald lb. .14½ - —
l.c.l., same basis lb. .15½ - —
tanks, same basis lb. .12½ - —

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb and 1-lb. lots dlvd.:—

Blue, FD & C, No. 1, cns lb. 17.00 -17.60
No. 2, cns lb. 17.00 -17.60
Green, FD & C, No. 1, cns lb. 17.00 -17.50
No. 2, cns lb. 22.20 -22.85
No. 3, cns lb. 35.25 -35.90
Orange, FD & C, No. 1, cns lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD&C, No. 1, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb. 22.20 -22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD & C, No. 1, cns lb. 17.00 -17.60
Yellow FD&C, No. 1, cns lb. 10.50 -11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5, cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—

Black, D&C, No. 1, cns lb. 10.95 - —
Brown, D&C, No. 1, cns lb. 16.10 - —
Green, D&C, No. 5, cns lb. 16.10 - —
No. 6, cns lb. 16.10 - —
No. 7, cns lb. 14.80 - —
Orange, D&C, No. 3, cns lb. 10.95 - —
No. 4, cns lb. 20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb. 20.70 - —
Red, D&C, No. 8, cns lb. 2.85 - —
No. 9, cns lb. 2.85 - —
No. 10, cns lb. 2.30 - —
No. 11, cns lb. 1.85 - —
No. 12, cns lb. 2.65 - —
No. 17, cns lb. 10.95 - —
No. 18, cns lb. 24.00 - —
No. 19, cns lb. 15.45 - —
No. 21, cns lb. 3.60 - —
No. 22, cns lb. 10.95 - —
No. 28, cns lb. 24.65 - —
No. 33, cns lb. 17.45 - —
Violet, D&C, No. 2, cns lb. 16.10 - —
Yellow, D&C, No. 7, cns lb. 10.95 - —
No. 10, cns lb. 13.50 - —
No. 11, cns lb. 13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb lots, works, 25-50 lb. lots dlvd.—

Blue, Ext. D&C, No. 1, cns lb. 16.10 - —
Green, Ext. D&C, No. 1, cns lb. 16.10 - —
Red, Ext., D&C, No. 1, cns lb. 13.50 - —
Yellow, Ext. D&C, No. 1, cns lb. 10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.

20 Chrysoidine Y lb. .74 - —
27 Fast light orange 2G lb. .90 - —
31 Phloxine 2G lb. .74 - —
36 Yellow 2G lb. .83 - —
40 Orange R extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. 1.08 - —
79 Scarlet 2R lb. .81 - —
151 Orange AD lb. .55 - —
161 Orange RR lb. .66 - —
176 Fast red A lb. .99 - —
179 Rubine XX, conc lb. 1.14 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc lb. .75 - —
203 Chrome black T lb. .78 - —
208 Fast blue 5R lb. .91 - —
216 Chrome red B lb. .84 - —
234 Brown Y lb. .96 - —
246 Blue black, extra, conc lb. .95 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, conc lb. 1.19 - —
299 Black F, conc lb. 1.54 - —
304 Neutral black 3B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown, RX, conc. lb. .95 - —
365 Brilliant yellow, conc lb. 2.57 - —
382 Scarlet B lb. 1.82 - —
401 Diazo black, BHD lb. .69 - —
406 Blue 3B, extra conc lb. 1.07 - —
419 Red FC conc lb. 1.12 - —
430 Brown M lb. .98 - —
448 Red 4BX, conc lb. 1.30 - —
518 Diamine sky blue FF, extra, conc lb. 1.50 - —
561 Brown B lb. 2.03 - —
581 Direct black EB lb. .94 - —
593 Green BY, conc lb. .72 - —
596 Yellow Brown K extra lb. .91 - —
620 Yellow 2G lb. 1.01 - —
639 Fast yellow 2G lb. 1.79 - —
640 Yellow XX lb. 1.61 - —
655 Yellow OX lb. 2.04 - —
657 Green V lb. 2.10 - —
663 Brilliant green G lb. 2.79 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd., No.

667 Brilliant milling green 6Z, conc lb. 3.68 - —
671 Blue, EG lb. 1.70 - —
681 Crystal violet powder lb. 2.15 - —
698 Violet 4BXN lb. 1.74 - —
720 Brilliant blue, BBG lb. 1.86 - —
729 Blue, B, conc lb. 2.79 - —
749 Red BX lb. 4.33 - —
814 Yellow, NN, Conc lb. 3.11 - —
841 Safranine GF extra, conc., lb. 3.17 - —
865 Nigrosine, WSJ lb. .75 - —
922 Blue GXX lb. 1.71 - —
978 Black GXCF conc lb. .32 - —
1034 Alizarine red SC lb. 2.59 - —
1054 Alizarine blue SAPX lb. 2.91 - —
1078 Alizarine green CG, extra, lb. 2.72 - —
1085 Alizarine blue, black, B lb. 2.33 - —
1096 Golden orange GFD, single paste lb. 1.99 - —
1099 Dark blue BO, single paste, lb. 1.75 - —
1101 Jade green N, double paste, lb. 1.98 - —
1106 Blue RS, double paste lb. 2.96 - —
1113 Blue BLFD double paste lb. 2.25 - —
1150 Olive R, single paste lb. 1.10 - —
1151 Brown R, single paste lb. 1.76 - —
1171 Indigo, synthetic, 20% paste lb. .31 - —
1217 Orange RD single paste lb. 1.65 - —
p-4 Brown, PG lb. 2.30 - —
p-24 Gray L lb. 1.60 - —
p-14 Brown, EB lb. 1.51 - —
p-80 Diazo brilliant scarlet ROAD lb. 2.79 - —
p-202 Diazo black VJ, conc lb. 1.74 - —
p-244 Brilliant scarlet BN lb. 1.31 - —
p-313 Naphthol SWF lb. 2.42 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550 lb. .81 - —
Jet, No. 551 lb. .89 - —
Brown R, conc. lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc. lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc. lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Auramine O lb. 1.85 - —
Black, basic blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.71 - —
Brown Bismarck R, conc lb. .86 - —
Chrysoidine, R, extra lb. .82 - —
Y extra lb. .64 - —
Fuchsine conc lb. 3.08 - —
Green, malachite conc lb. 2.10 - —
Rhodamine B lb. 4.33 - —
Safranine, Y conc lb. 2.90 - —
Violet, methyl B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb dms, sellers' works:

Azo rubine R extra conc lb. 1.04 - —
Black, acid blue B, extra lb. .86 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil conc lb. .91 - —
Orange Acid Y conc lb. .47 - —
Scarlet croceine MOO lb. 1.45 - —
Yellow azo conc lb. .90 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c higher.

2, 4-Dinitrochlorobenzene—Ethyl Acetate, Natural Fermentation, 95-96%

E

Echinacea root, bls lb. 1.25 - —
Egg albumin (see Albumin).
Yolk, dried, dom., bbls lb. 1.04 - 1.06
tanners, bbls lb. .06 - .06¼
Elder flowers, bright, bls lb. .35 - .40
Elm bark, grinding, bls lb. No prices.
powd., bbls., bxs lb. .60 - —
select, bundles lb. .65 - —
Emetine hydrochloride USP, bots. oz. 32.95 -35.00
Ephedrine, syn., USP, anhydrous, bots., 100-oz. lots oz. .98 - 1.00
hydrous bots 100 oz lots oz .92 —
H₂ drochloride, tins, 100-oz. lots oz. .75 —
Sulfate, cryst., tins, 100-oz. lots oz. .72 - —
powd. tins 100-oz lots oz .73 - —
Epichlorohydrin, dms., c.l., works lb. .39 - —
l.c.l., works lb. .40 - —
tanks works lb. .37 - —
Epinephrine, syn., USP, bots., 100-gram lots gram .45 .55
Ergosterol unirradiated cryst kilo 150.00 —
Ergot, NF, dms., tin-lined lb. 3.25 3.50
Eserine salicylate, bots oz. 29.75 -32.50
Sulfate, bots. oz. 34.50 -35.61
Ether (see specific product).
Ethyl acetate, natural fermentation 85-88%, dms., c.l., frt. alld. lb. .13 - —
l.c.l., frt. alld lb. .14 - —
tanks frt alld lb. .11 - —
85-96%, dms., c.l., frt. alld. lb. .13¼ - —
l.c.l., frt. alld. lb. .14¼ - —
tanks frt alld lb. .11¼ —

The Industries We Serve — **PHARMACEUTICALS**

WSD-4971-B

Age: 69 seconds

Life Expectancy: 69 years

LUCKY Junior! If he drives his rocket car carefully and doesn't overheat his atomic furnace, he's slated to spend a nice slice of his life in the 21st Century. He won't be haunted by most of today's diseases, that's certain. For medical science, hand in hand with the Pharmaceutical Industry, is already knocking off these killers, one by one. And chemicals from coal are right on the firing line.

Pittsburgh Coke & Chemical Co. is a *basic* producer of many of these vital materials. Some of the first sulfa drugs were made from coal-derived pyridine produced at our plant. Other Pittsburgh coal chemicals are showing bright promise in the experimental treatment of tuberculosis.

To pharmaceutical manufacturers, *Pittsburgh* stands for *purity*. For Pittsburgh coal chemicals are quality checked from mining to final processing. It's the same story with Pittsburgh dyestuffs, plasticizers, agricultural chemicals and all other products of our ten integrated divisions: Better products for industry and agriculture . . . because Pittsburgh is *basic!*

PITTSBURGH
COKE & CHEMICAL CO.
Grant Building • Pittsburgh 19, Pa.

COAL CHEMICALS • AGRICULTURAL CHEMICALS • FINE CHEMICALS • PROTECTIVE COATINGS • PLASTICIZERS • ACTIVATED CARBON • COKE • CEMENT • PIG IRON

Ethyl Acetate, Natural Fermentation, 99%—Ginger Root

Ethyl acetate, natural fermentation, 99%, dms., c.l., frt. alld lb. .13½- —
l.c.l., frt. alld. lb. .14½- —
tanks, frt. alld lb. .11½- —
synthetic, 85-98%, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd. lb. .14 - —
tanks, dlvd lb. .11 - —
95-98%, dms., c.l., dlvd lb. .13¼- —
l.c.l., dlvd. lb. .14¼- —
tanks, dlvd lb. .11¼- —
99%, dms., c.l., dlvd lb. .13½- —
l.c.l., dlvd. lb. .14½- —
tanks dlvd lb. .11½ —
Acetoacetate, dms., c.l., dlvd lb. .55 - —
l.c.l., dlvd lb. .56½ —
Acrylate, dms., c.l., and truck load, works lb. .44½- —
less than truckload, works lb. .45½- —
tanks, works lb. .42¾ —
Aminobenzoate, USP (see Benzocaine).
Benzoate, cns., dms. lb. .74 - .90
Bromide, tech., 98%, dms., c.l lb. .41 - —
l.c.l. lb. .43 - —
Butyl ketone, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Butyrate, works lb. .80 - 1.02
Carbamate (see Urethane)
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 - —
smaller lots, works lb. .72 - .80
vis., 10, 20, 50, 100, 150 cps., bgs., 2,000-lb. lots or more, works lb. .69 - .72
smaller lots, works lb. .75 - .81
Chloride, tech., cyl., c.l., works lb. .20 - .22
dms., c.l. same basis lb. .18 - .20
tanks same basis lb. 10 —
USP, bots., cyls lb. .22 - .24
Cinnamate, cns lb. 2.71 - 3.45
Ethanolamines, mixed, dms., c.l., frt. alld. E. Miss lb. .42¼- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .40½- —
Ether, absolute, ACS, dms lb. .37 - —
anesthesia, UPS, hospitals, 1-lb. cns lb. .89 - —
½-lb. cns lb. .97 - —
¼-lb. cns lb. 1.05 - —
solvent, USP, dms., c.l., dlvd lb. .15¾- —
l.c.l., dlvd lb. .16¾- —
tanks, dlvd lb. .13¾- —
synthetic, dms., c.l., dlvd E lb. .12 - —
l.c.l., dlvd. E lb. .13 - —
tanks, dlvd. E lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots lb. 3.90 - 4.40
Iodide, cbys., works lb 3.30 - —
Methacrylate, dms., c.l., and less than truckload, works lb. .51½- .52
Morphine hydrochloride, USP, bots. oz.15.85 - —
Nitrite (see Ether nitrous).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., l.c.l., works lb. No prices
Oxalate (see Diethyl oxalate)
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO dms works, lb. .54½- —
N-Ethyl-a-naphthylamine, dms., works, lb. 1.02 - —
N-Ethyl-o-toluidine, bbls lb. .58 - —
Ethylamine (see Mono, Di- or Tri-)
N-Ethylaniline, dms., c.l., frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt. alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½- .20¼
l.c.l. lb. .20½- .21¼
tanks lb. .18½ —
Ethylene dichloride, dms., c.l., dlvd lb. .10¼- —
l.c.l., same basis lb. .12¼- —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies 1c per lb higher.
Glycol, dms., c.l., dlvd. E lb. .13¼- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .11½- —
Monobutyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd E lb. .21 - —
tanks, dlvd E lb. .18½- —
Monoethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd E lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd E lb. .19½- —
tanks, dlvd. E lb. .16½- —
Monomethyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd. E lb. .21 - —
tanks, dlvd. E lb. .18½- —
Acetate, dms., c.l., dlvd. E lb. .28¾- —
l.c.l., dlvd. E lb. .29¼- —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd lb. .19½- —
l.c.l., dlvd. lb. .22½- —
tanks, dlvd. lb. .13½- —
Trichloride (see Trichloroethane).
Ethylenediamine 85-88% dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l., dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb. 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP, cns., dms. lb. 1.40 - 1.50
Eugenol, USP, bots. lb. 2.55 - 3.15
Euphorbia herb, bls. lb. .15 - .17

F

Feldspar, enamel, 100 mesh, bgs., works ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton.11.75 -12.50
Pottery bgs, ton lots, works ton 20.00 -22.00
bulk, c.l., works ton.18.00 -20.00
Fennel seed, Argentine, bgs lb. .10½- —
Czech, medium, bgs lb. .10½- —
Indian, light, bgs lb. .11½- —
Fenugreek seed, Moroccan, bgs. lb. .06½- .07
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
soln., USP IX, cybs lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb.13.00 -14.00
Chloride, anhyd., tech., dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 8.00 - —
indust., cryst., bbls., c.l., works, 100 lbs. 4.75 - 5.25
l.c.l., works 100 lbs. 5.75 - 6.25
42° Be, cbys., c.l., works, 100 lbs. 7.25 - 8.25
tanks, frt. equald., 100% basis 100 lbs. 3.25 - —
USP, cryst., dms., works lb. .07½- .09
Citrate, gran., dms lb. .86 - —
Glycerophosphate, NF, powd lb. 4.75 - 4.85
Hydrophosphite, NF, dms lb. 2.80 - —
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¾- —
Oxalate, gran., dms lb. .85 - .87
Phosphate, NF, soluble, gran., pearls, cs lb. .64 - .65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. .78 - .81
Resinate, 6.75% Fe, dms., frt. alld. lb. .26¼- —
Stearate, dms., c.l., frt. alld lb. .37 - —
Sulfate, partially hydrated, bgs., c.l., works ton.31.75 -33.75
l.c.l., works ton.34.75 -40.75
Ferric-ammonium citrate, brown, NF, gran., dms lb. .59 - —
green, USP XII, gran., dms lb. .59 - —
Oxalate, fine gran., dms lb. .25½- .28½
Ferric-potassium, oxalate, fine gran., dms lb. .30½- .33½
Ferric-sodium oxalate, fine gran., dms lb. .25½- .28½
Ferrous gluconate, NF, dms lb. .88 - —
Sulfate, gran., bgs., c.l., works, ton.34.50 - —
l.c.l., dlvd. metropolitan area 100 lbs. 3.35 - 4.25
bbls., c.l., works ton.40.00 - —
bulk, c.l., works ton.27.00 - —
USP, cryst., bbls., dms lb. .09½- .10
Fir balsam, Canada, cns gal.34.00 -35.00
Oregon, bbls gal. No prices.
Fishliver oil (see Oil fishliver).
Fishmeal, menhaden, ground, domestic, 60% protein, bags, Balto area ton.145.00 - —
Fishscrap, menhaden, dried, 60% protein, bags, Balto area ton.140.00 - —
Fluorspar, dom., acid grade, bulk, c.l., mine ton.60.00 - —
ceramic grade, 93-96% CaF_2, grd., bulk, c.l., mine ton.57.50 - —
85-92% CaF_2, grad., bulk, c.l., mine ton.47.00 - —
metallurgical grade, briquets, pellets, 65% CaF_2, bulk, c.l., mine ton.34.00 - —
lump, 59-65% effective CaF_2, bulk, c.l., mine ton.40.00 - —
washed gravel, 59-60% effective, CaF_2, bulk, c.l., mine ton.40.00 - —
60-65% effective CaF_2, bulk, c.l., mine ton.40.00 -41.00
65-70% effective CaF_2, bulk, c.l., mine ton.42.00 - —
70% or better, effective CaF_2, bulk, c.l., mine ton.43.00 - —
Formaldehyde, NF, (inhibited), dms., c.l., works, E lb. .066 - —
l.c.l., works E lb. .071 - —
tanks, works E lb. .0420- —
methanol-free (uninhibited), tanks, works lb. .0395- —

Tankcar and tankwagon prices above are on a delivered basis in New England Eastern New York, N J. Eastern Penna. and part of Delaware. In states other than Eastern Seaboard as well as W of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls lb. .60 - .61
Fuller's earth, dom., powd., bgs., c.l., Fla., mines ton.21.25 - —
Georgia mines, c.l. ton.17.00 -18.00
Illinois mines, c.l. ton.19.00 - —
Texas mines, c.l. ton.16.00 - —
spent, f.o.b. shipt. pt., c.l. ton. 4.50 - 5.00
imported, bgs., c.l. ton.42.00 - —
Furfural, tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .14 - —
tanks, works lb. .115 - —
Fusel oil, refined, dms., c.l., dlvd lb. .17½- —
l.c.l., dlvd. lb. .18½- —
tanks, dlvd lb. .15 - 15½
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .47½- —
No. 2, bbls., c.l. lb. .45½- —
No. 3, bbls., l.c.l. lb. .43½- —
liquid, No 1, bbls., l.c.l. lb. .22½- —
No. 2, bbls., c.l. lb. .21½- —
No. 3, bbls., l.c.l. lb. .19 - —
solid, No. 1, bxs., l.c.l. lb. .45 - —

G

G salt, 100% basis, bbls., frt alld lb. .73 - —
Gammapicoline (see g-Picoline).
Gasoline, tanks, refy., ex tax, Arkansas, 84 octane gal. .11¼- —
Group 3, 84 octane gal. .1075- .11375
Gulf coast, 83 octane gal. .10 - .11¼
N. Y. Harbor, 86 octane gal. .1345- .143
Penn. western US motor 86 octane gal. .1375- .1415
natural, group 3, 26-70 octane gal. .04 - .04½
Gelatin, edible, pure (pork skin), 75 Bloom test, fib. dms., c.l. lb. .52 - —
150 Bloom test, fib. dms., c.l. lb. .63 - —
200 Bloom test, fib. dms., c.l. lb. .69 - —
225 Bloom test, fib. dms., c.l. lb. .72 - —
275 Bloom test, fib. dms., c.l. lb. .79 - —
Gelsemium root, bls lb. .28 - .29
Gentian root, bls lb. .17 - .20
grd., bbls., bxs lb. .22 - .23
powd., bbls., bxs lb. .23 - .24
Geraniol, extra, cns., dms lb. 1.90 - 2.20
standard, cns., dms lb. .60 - 1.75
Geranyl acetate, cns lb. 1.45 - 2.20
Ginger, oleoresin, NF, from African root, bots lb. 4.00 - 7.75
from Jamaican root, bls lb. 6.00 -10.25
Root, African, bls lb. .27 - —

Quality Lacquers reflect care in Solvent selection...

Celanese* SOLVENTS

acetone
n-butyl acetate
n-butyl alcohol
isobutanol
methanol
n-propyl acetate
n-propanol

and Special low-cost Solvents

Celanese Solvents are today contributing to improved lacquer formulations, smoother production schedules, and lower costs. Formulators are taking advantage of the solvent purity and price stability of Celanese synthetic production ... the uniformity of continuous petrochemical operation based on integrated raw materials ... the dependability of a nationwide distribution system that includes bulk storage depots conveniently located in key areas, and a standby fleet of tankcars and tanktrucks ... the extra economy of combination shipments of Celanese Solvents in compartmented tankcars, tankwagons or mixed drum carloads.

The Lacquer Group in Celanese Technical Service and Application Laboratories is ready to work with you.

Celanese Corporation of America,
Chemical Division, Dept. 556-E
180 Madison Avenue, New York 16

CHEMICAL PROGRESS WEEK-MAY 2-8

Celanese* CHEMICALS

*Reg. U.S. Pat. Off.

Ginger, Jamaica, No. 1, bgs lb. .40 - .42
No. 2, bgs lb. .32 - .33
No. 3, bgs lb. .30 - .32
Rhatton, bzs. Nominal
Nigerian, split, bgs lb. .25 - .25½
Glauber's salt, anhyd see Sodium sulphate)
Glue, bone, extracted, 66 jellygrams, bgs., c.l., dlvd lb. .22½ —
66 jellygrams, same basis lb. .23 —
104 jellygrams, same basis lb. .23½ —
131 jellygrams, same basis lb. .24 —
164 jellygrams, same basis lb. .24½ —
191 jellygrams, same basis lb. .25 —
222 jellygrams, same basis lb. .26 —
packers' 40 jellygrams, bgs., c.l., dlvd lb. 18½ —
65 jellygrams, same basis lb. .19½ —
86 jellygrams, same basis lb. .20 —
115 jellygrams, same basis lb. .20½ —
135 jellygrams, same basis lb. .21½ —
164 jellygrams, same basis lb. .22 —
renderers' 100 jellygrams, bgs., c.l., dlvd lb. .15 —
Bone glue, l.c.l., prices 1c. higher.
hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .22 - —
95-121 bgs., c.l., dlvd lb. .22½ - —
122-149 bgs., c.l., dlvd lb. .24 - —
150-177 bgs., c.l., dlvd lb. .26 - —
178-206 bgs., c.l., dlvd lb. .28 - —
207-236, bgs., c.l., dlvd lb. .32 - —
237-266, bgs., c.l., dlvd lb. .33½ - —
299-330, bgs., c.l., dlvd lb. .35 - —
331-362, bgs., c.l., dlvd lb. .36 - —
363-394, bgs., c.l., dlvd lb. .37 - —
395-427, bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .40 - —
461-494, bgs., c.l., dlvd lb. .42 - —
495-529, bgs., c.l., dlvd lb. .44 - —
Hide glue l.c.l. prices 1c. higher.
Glycerine, nat., crude, saponification, 88%, to refineries, tanks, dlvd. lb. .20 Nom.
soapiye, 80%, tanks, dlvd lb. .18 Nom.
refined, BP, 98%, dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .29½ - —
l.c.l., dlvd lb. .30 - —
tanks, dlvd lb. .29 - —
yellow, distilled, dms., c.l., dlvd lb. .30 - —
l.c.l., dlvd lb. .30½ - —
syn., dms., c.l., dlvd lb. .30½ - —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
Glycine (see Acid aminoacetic).
Glycerol (see Glycerine).
Glyoxal, 30% dms. c.l. works lb. .18¼ - —
l.c.l. works lb. .19 - —
tanks works lb. nil —
Gold chloride, acid-brown, bots oz. 22.50 - 23.00
acid-yellow, bots oz. 20.50 - 20.50
Golden seal root, NF, tested, bls. lb. 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25
Graphite, amorph., powd., bgs., fib, dms. ex whse lb. .06 - .09½
crystalline, 85-90%, powd., bgs., fib dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib, dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib, dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib, dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib dms., ex whse lb .29 - .31
Grease, brown, tanks, dlvd lb. .05½ - —
house, tanks, dlvd lb. .06¾ - —
white, choice, not all hog, tanks, dlvd lb. .09¼ - .09½
yellow, tanks, dlvd lb. .07 - —
Green, brilliant, thioflavin, toner, molybdated PMA kgs., works lb 5.10 - —
tungstated PTMA kgs. works lb. 6.00 - —
Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis. lb. .39 - —
31-45%, bbls., same basis. lb. .40 - —
45-49%, bbls., same basis. lb. .43 - —
50%, bbls. same basis lb. .48 - —
reduced color, 25%, bbls., same basis lb. .19 - —
Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La. (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .39¼ - —
l.c.l., same basis lb. .39¾ - —
Dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls. lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
Grindelia robusta herb, bls. lb. .44 - —
Guaiacol, cryst., dms., tins lb. 2.10 - 2.15
liquid, NF, cbys., dms. lb. 2.30 - 2.40
Carbonate, NF VII, dms. lb. 3.40 - 3.45
Gum, aloe (see Aloe).
Arabic, amber, sorts, bgs. lb. .19 - —
powdered, USP, bbls. lb. .23 - .24
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose, bgs., 23,000-lb. lots or more, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - —
Copal, Congo, No. 1, bgs lb. .20 - .22
No. 2, bgs. lb. .18 - .19
No. 3, bgs. lb. .16 - .17
Manila, C, bgs lb. .38 - .40
CBB, bgs. lb. .26 - .28
DBB, bgs lb. .23½ - .25
DK, bgs lb. .16 - .18
dust, bgs lb. .11 - .12½
soft, MA, bgs lb. .15 - .18
WS, bgs lb. .32 - .36
Philippine, pale, chips, bgs lb. .22 - .24
nubs, bgs lb. .30 - .32
seeds, bgs lb. .15 - .17
sorts, bgs lb. .16 - .17
Pontianak, chips, bgs lb. .20 - .22
nubs, bgs. lb. .32 - .34
Gum, dammar, Batavia, A/E, cs lb. .27 - .29
dust, bgs lb. .16 - .18
E, bgs lb. .20 - .22
East India, batu, bold, bgs. lb. .14 - .15½
nubs and chips, bgs lb. .08½ - .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb. .11 - .13
nubs and chips, bgs lb. .11 - .13
pale, chips, bgs lb. .13 - .14
nubs, bgs lb. .18 - .20
Siam, bgs lb. .35 - .37
Singapore, No. 1, bgs lb. .39 - .41
No. 2, bbls lb. .29 - —
No. 3, bbls lb. .25 - —
dust, bgs lb. .16½ - .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd. fill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .15½ - —
wood-rosin type, dms., c.l., same basis lb. .15 - —
Karaya, NF, powd., No. 1, bbls lb. .38 - —
No. 2, bbls lb. .28 - .29
No. 3, bbls. lb. .24 - .25
Locust bean, powd., bgs lb. .31 - .33
Myrrh, cs lb. .38 - .40
Opium (see O).
Olibanum siftings, cs lb. .15 - .20
tears, cs lb. .22 - .30
Rosin (see R).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb. 2.85 - 2.90
No. 2, cs lb. 2.45 - 2.50
No. 3, cs lb. 1.60 - 1.70
powdered, USP, bbls lb. 1.25 - 1.35
Gypsum, plaster of paris, 100-lb. paper bags, trucks, dlvd. N. Y. C ton 20.30 - —
Gypsum, terra alba, domestic, same basis ton 19.00 - —
works, N. Y. C. ton 16.00 - —
imported, English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 - —
ex warehouse ton 60.00 - 62.00

H

Hawthorn berries, bgs. lb .28 - .32
Heliotropin, cryst., cns lb. 3.50 - 4.25
Hellebore root dom green, bls lb. .55 - .65
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bbls. l.c.l. lb .47 - —
No 2, bbls. l.c.l. lb .43 - —
No 3, bbls. l.c.l. lb .41 - —
No 4, bbls. l.c.l. lb .39 - —
No 5, bbls. l.c.l. lb .37 - —
paste No 1 bbls. l.c.l. lb 20½ - —
Henbane leaves, bls. lb. .35 - .45
Heptane, industrial, tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾ - —
Borger, Tex gal. .14¾ - —
Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb. 2.20 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., 1,000-lb lots or more, Perth Amboy or N Y C. lb. .232 - —
smaller lots, same basis lb. .242 - —
dlb dms. 1,000-lb lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
Hexamethylenetetramine, USP, dms., 500 lb. lots or more, same basis lb. .40½ - —
smaller lots same basis lb 41⅛ - —
Hexamine (see Hexamethylenetetramine).
Hexane industrial, tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½ - —
Borger, Tex gal. .15½ - —
1-Hexanol, dms., c.l., works lb. .34½ - —
l.c.l., works lb .35 - —
tanks, works lb .33 - —
Hexyl cinnamic aldehyde dms lb 2.25 - 7.50
Salicylate dms lb 1.75 - —
Hexylene glycol, dms., c.l., dlvd. lb. .14½ - —
l.c.l. dlvd. lb. .15½ - —
tanks, dlvd. lb. .12½ - —
Hexyl methacrylate, normal, dms., less than truckload works. lb .71 - —
Hexylresorcinol, USP, dms., 50-lb. lots or more, dlvd lb. 14.00 - —
smaller lots, dlvd. lb. 14.50 - —
Histamine diphosphate USP bots kilo 456.00 - —
l-Histidine hydrochloride, NF, fib, dms., 50-kilo lots, works. kilo 80.00 - 85.00
1-5 kilo lots works kilo 90.00 - 95.00
Homatropine hydrobromide, USP bots oz 9.35 - 10.60
Methylbromide, USP, bots oz. 9.75 - 10.60
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.50 - —
Horehound herb, bls lb. .16 - .19
Hydrastine bots oz. 29.50 - 31.00
Hydrochloride, NF bots oz. 29.50 - 31.00
Sulfate, bots oz. 35.00 - 37.00
Hydrastinine 10-grain bots bot 1.95 - —
Hydrastis (see Goldenseal).

Shell Chemical is a convenient, dependable source for glycerine, *offering the highest purity product available.* Expanded facilities make Shell Chemical one of the nation's leading suppliers of glycerine... in any quantity from a drum to a tank car.

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Hydrazine—Lime, Hydrated

Hydrazine, free base, tet. dms., Niagara Falls	lb.	3.00	3.30
Hydrate 100% ret dms Niagara Falls	lb.	1.75	1.95
85%, ret. dms., same basis	lb.	1.35	1.55
Hydroturamide dms. fib ctns., works	lb.	.30	.40
Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works	lb.	.45	—
l.c.l., works	lb.	.55	.60
Fluoride, anhyd., cyls., works	lb.	.27½	.29
tanks, works	lb.	.21	—
Peroxide USP bbls. dlvd	lb	03¾	.05
35%, cbys., dlvd	lb.	.228	—
dms., c.l., dlvd	lb.	.205	—
l.c.l., dlvd.	lb.	.213	—
tanks, dlvd.	lb.	.201	—
Hydroquinone photo grade bbls. dms.	lb	98	1.00
tech. dms., c.l. frt. equald	lb	77	—
l.c.l. frt equald	lb	88	—
Hydroxycitronellal, cns	lb.	5.10	- 6.00
Hoseine salts (see Scopolamine.)			
Hyoscyamine, bots	oz.	15.75	-16.00
Hyprobromide, bots.	oz.	11.00	-12.00
Sulfate, bots	oz.	10.50	-11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l.	lb.	.52	—
liquid No 1 bbls. l.c.l.	lb	35	—
No. 2, bbls., l.c.l.	lb.	.27	—

I

Ichthammol, NF, dms	lb.	.60	.75
Indian red (see Red, Indian).			
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).			
Indole, CP, bots	lb.	17.00	-21.00
Inositol, bots., dlvd	lb.	5.00	—
dms., dlvd.	lb.	4.50	- 4.75
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs	lb.	1.15	—
resublimed, USP, bots., jars	lb.	2.55	—
Iodochlorohydroxyquinolin, USP, dms.	lb.	5.90	—
Iodoform, NF, dms., kgs	lb	4.90	5.00
a-Ionone, cns	lb.	3.95	- 8.25
b-Ionone, cns	lb.	4.30	-11.25
Methyl (see under M)			
Ipecac root, bgs	lb.	6.50	- 6.75
powd., bbls., bxs	lb.	7.00	- 7.25
Irish moss, bleached, prime, bls	lb.	.30	.35
Iron Compounds (see Ferric or Ferrous).			
Isoborneol, cns	lb.	1.25	- 1.70
Isobornyl acetate, cns	lb.	.62	- .95
formate, dms.	lb.	.80	—
Propionate, dms	lb.	1.15	- 1.45
Isobutyl acetate, perfume grade, cns	lb.	.75	- 1.00
solvent grade dms., c.l., dlvd E. of Rockies	lb.	.13¼	—
l.c.l., same basis	lb.	.14¼	—
tanks, same basis	lb.	.11¼	—
Isobutyraldehyde, dms., dlvd	lb.	.50	—
Isoeugenol, cns	lb.	3.45	- 4.25
Isoniazid, bulk, powder, 25-kilo lots or more	kilo.	23.00	-31.00
smaller lots	kilo.	24.00	-32.00
Isopentane, commercial grade, tanks, f.o.b. Tex. refy.	gal.	.15½	—
Isonicotinic acid hydrazide (see Isoniazid).			
Isophorone, dms., c.l., works	lb.	.24¼	—
l.c.l., works	lb.	.24¾	—
tanks, works	lb.	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., dlvd.	lb.	.12	—
l.c.l., same basis	lb.	.13	—
tanks, same basis	lb.	.10	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene).			
Ether, dms., c.l., dlvd	lb.	.07	—
l.c.l., dlvd	lb.	.08	—
tanks, dlvd	lb.	.05	—
Isopropylamine (see Mono, Di, or Tri-).			
Isoquinoline, dms., works	lb.	.65	- 1.25

J

Jalap root, NF, bls	lb.	.38	- .55
powd., bbls., bxs	lb.	.49	- .66
Juniper berries, bgs	lb.	.16	- .18
Tar, NF, dms	lb.	.42	- .60

K

Kaolin (see also Clay, China).			
NF, powd., fib dms	lb.	.08	- .16½
colloidal fib dms	lb.	.15	- .15½
Kerosene, tanks, refy., Ark., 42-44 specific gravity, w.w.	gal.	.095	—
California, 40-43 s.g., w.w	gal.	.138	- .148
Gulf ports, 41-43 s.g., w.w.	gal.	.09¼	- .09¾
N. Y. Harbor, 43-44 s.g., w.w.	gal.	.105	—
Okla.-Tex., 41-43 s.g., w.w.	gal.	.09½	- .10
Penn., Western, 45 s.g., w.w.	gal.	.1145	- .1205
Kola nuts, bgs	lb.	.12	—

L

Lactose, crude, bgs., c.l., works	lb.	.15	—
edible, fib. dms., 30,000-lb. lots, works	lb.	.22	—
2,000-lb. lots, works	lb.	.22¾	—
200-1,800-lb. lots, works	lb.	.23¼	—
Edible lactose in fib. dms., 1c higher.			
USP, fib. dms., 30,000-lb. lots, works	lb.	.24	—
2,000-lb. lots, works	lb.	.24¾	—
200-1,800-lb. lots, works	lb.	.25¼	—
USP lactose in bgs., 1c. lower.			
Lady's slipper root, bls	lb.	1.70	- 1.75
Lanolin, cosmetic, dms., works	lb.	.36	- .38
USP, anhydrous, dms., works	lb.	.33	—
hydrous, dms., works	lb.	.32	—
Lard, cash, trcs., Chicago	lb.	.19¼	—
Larkspur seed, bgs	lb.	.20	- .23
Lauryl chloride, distilled, dms., c.l., works, frt. equald	lb.	.74	—
l.c.l.	lb.	.75	—
Methacrylate, normal, dms., c.l. or truckload	lb.	.65½	—
Lavender flowers, medium, bls	lb.	.55	.60
ordinary, bls	lb.	.16	.20
select, bls	lb.	.90	—
Lead acetate, white, crystals, bbls., gran, bbls	lb.	.22	—
powd., bbls	lb.	.23	—
NF, cryst., gran., powd	lb.	.31	- .32
Arsenate, acid powder, dealers, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or more	lb.	.27½	—
l.c.l., frt. alld	lb.	.28½	—
1-lb. bgs., c.l.	lb.	.41½	—
l.c.l.	lb.	.42½	—
Blue, basic sulfate, bbls., c.l., ship't point, frt. alld.	lb.	.14¾	—
l.c.l., same basis	lb.	.15¾	—
Carbonate (see Lead, white).			
Chloride dms	lb	.45	—
Iodide, NF V jars	lb.	3.82	—
Linoleate, fused, 26.5%, dms	lb.	.32½	—
Metal, pigs, prime, N. Y.	lb.	.14	—
St. Louis	lb.	.1380	—
Metallic paste, dms., 20,000-40,000-lb. lots, works	lb.	.32¾	—
10,000-20,000-lb. lots same basis	lb.	.33¾	—
2,000-10,000-lb. lots, same basis	lb.	.34¼	—
200-2,000-lb. lots, same basis.	lb.	.34¾	—
Prices ex whse. Jersey City, N. J., 4½c. per lb. higher.			
Monosilicate, bgs., c.l., works, frt. equald	lb.	.1495	—
l.c.l., same basis	lb.	.1545	—
Naphthenate, liquid, 16% Pb, dms., dlvd	lb.	.17½	—
24% Pb. dms., dlvd	lb.	.23¾	—
solid, 37% Pb. dms., dlvd	lb.	.31¼	—
Nitrate bbls	lb.	.22¼	—
Orthosilicate gel., 50% PbO_2, dms., works	lb.	.32¾	—
80% PbO_2 dms., works	lb	.41¼	—
Peroxide, powd., tech., bbls	lb.	.38¾	.40¼
Phthalate, dibasic, dms., works	lb.	.41	—
Red, 95% Pb_3O_4, or less, bbls., c.l., works, frt. equald	lb.	.16¼	—
l.c.l., same basis	lb.	.17	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.17¼	—
l.c.l., same basis	lb.	.17¾	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.17¼	—
l.c.l., same basis	lb.	.17¾	—
Resinate, precip., dms., dlvd	lb.	.28½	—
Salicylate, normal, dms., works	lb.	.46	—
Sulfate (see Lead, blue, basic sulfate; Lead, white, basic sulfate).			
Tallate, liquid, 16% Pb, dms.	lb.	.16	—
24% Pb dms.	lb.	.21½	—
White, basic carbonate, bgs., c.l., ship't point, frt. alld.	lb.	.16½	—
l.c.l., same basis	lb.	.17½	—
basic silicate, bgs., c.l., ship't point, frt. alld.	lb.	.15½	- .17¾
l.c.l., same basis	lb.	.16½	- .18¾
basic sulfate, bgs., c.l., ship't point, frt. alld	lb.	.14¾	—
l.c.l. same basis	lb.	.15¾	—
Lecithin, edible, tech., bleached, non-ret., dms., c.l., works.	lb.	.15	- .17
l.c.l., same basis	lb.	.15½	- .17½
unbleached, non-ret., dms., c.l., same basis	lb.	.13	- .15
l.c.l., same basis	lb.	.14½	- .16½
dl-Leucine, dms., works	lb.	12.25	-15.00
Licorice root, whole, bbls.	lb.	.08	- .12
gran., bbls.	lb.	.12	- .17
powd., bbls.	lb.	.10	- .15
Lignosulfonate, 70% tannin, bgs., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.06¾	—
Lime, agricultural, bulk, works	ton	14.50	—
Chemical (quicklime) lump, peb ble bulk, Adams, Mass	ton	12.50	—
Annville, Pa	ton	11.50	—
Austin, Texas	ton	9.50	—
Bellefonte, Pa.	ton	11.50	—
Buffalo, N. Y	ton	14.00	—
Cedar Hollow, Pa	ton	11.50	—
Duluth, Minn.	ton	12.50	—
El Paso, Texas	ton	14.00	—
Farnams, Mass.	ton	14.00	—
Gibsonburg, Ohio	ton	12.50	—
Hannibal, Mo.	ton	10.00	—
Keystone, Ala	ton	10.25	—
Kimballton, Va.	ton	10.25	—
Knoxville, Tenn	ton	10.50	—
Lee, Mass	ton	12.50	—
Lewisburg, Ohio	ton	10.00	—
Limedale, Ark	ton	10.00	—
Los Angeles, Cal	ton	25.10	-26.84
Marble Cliff, Ohio	ton	10.00	—
Martinsburg, W. Va.	ton	11.00	—
Mosner, Mo.	ton	10.75	—
Nelson, Ariz.	ton	14.50	-23.65
Quincy, Ill.	ton	10.00	-13.00
Reddick, Fla	ton	13.50	—
Scotrock, Ala.	ton	10.25	—
Springfield, Mo.	ton	12.25	—
Winooski, Vt	ton	15.50	—
Woodville, Ohio	ton	11.50	—
York, Pa	ton	15.50	—
Hydrated, paper bags, Adams, Mass	ton	15.50	—
Annville, Pa	ton	14.50	—
Austin, Texas	ton	13.00	—
Bellefonte, Pa	ton	14.50	—
Buffalo, N. Y	ton	16.00	—
Cedar Hollow, Pa	ton	14.50	—
Chicago, Ill.	ton	15.00	—
Duluth, Minn	ton	14.00	—
El Paso, Texas	ton	17.50	—
Engle, W. Va	ton	14.50	—
Farnams, Mass.	ton	14.00	—
Gibsonburg, Ohio	ton	16.50	—
Hannibal, Mo.	ton	12.00	—
Keystone, Ala	ton	13.50	—
Kimballton, Va	ton	13.50	—
Knoxville, Tenn	ton	13.00	—
Lee, Mass	ton	15.50	—
Lewisburg, Ohio	ton	14.00	—
Limedale, Ark.	ton	12.00	—
Marble Cliff, Ohio	ton	13.50	—
McNeil, Fla	ton	13.00	—
Menominee, Mich.	ton	14.00	—
Mosher, Mo.	ton	13.00	—
North Tazewell, Va	ton	12.75	—
Quincy, Ill.	ton	10.00	-12.00
Reddick, Fla	ton	16.00	—
Scotrock, Ala	ton	13.50	—
Springfield, Mo	ton	12.25	—

THIS IS **MERCHANTS**

This is Ray B. Harcombe our Chicago district manager. A graduate of Colgate, he joined Merchants in 1934. Since then he has been a Merchants salesman in Chicago, our district manager in Minneapolis, a naval officer in the war and Chicago manager since January, 1949. Mr. Harcombe is a director of the Chicago Executives Association and the Chicago Perfumery, Soap and Extract Association.

As Merchants largest branch, Chicago is in a position to handle almost any chemical, including plating and dry cleaning supplies. Ten salesmen cover the Chicago territory, which includes the area within a radius of 100 miles from the city limits. Prompt delivery from our modern warehouse (70,000 square feet of storage space) is guaranteed by our ten trucks, including three semi-trailers. Acid storage tanks and modern equipment enable this branch to handle all types of chemicals, in bulk or otherwise.

Sales offices and Warehouses: Chicago, Cincinnati, Denver, Louisville, Milwaukee, Minneapolis, New York, Omaha.
Stock Points: Albuquerque, Aurora, Ill., Erwin, Tenn., S. Norwalk, Conn.

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MERCHANTS CHEMICAL COMPANY, INC.
60 East 42nd Street, New York 17, N. Y.
Distributors of industrial chemicals for over a quarter century.

Lime, hydrated, paper bags, Winooski, Vt ton 15.50 - —
Woodville, Ohio ton 14.50 - —
York, Pa ton 14.50 - —
Spray, paper bgs., Adams, Mass. ton 17.00 - —
Annville, Pa ton 17.00 - —
Austin, Texas ton 13.00 - —
Bellefonte, Pa ton 17.50 - —
Carey, Ohio ton 11.00 - —
Duluth, Minn. ton 15.00 - —
Engle, W. Va. ton 14.50 - —
Farnams, Mass ton 14.00 - —
Gibsonburg, Ohio ton 16.50 - —
Keystone, Ala ton 13.50 - —
Kimballton, Va ton 13.50 - —
Lee, Mass ton 17.00 - —
Lewisburg, Ohio ton 16.00 - —
Marble Cliff, Ohio ton 16.00 - —
McNeil, Tex. ton 16.00 - —
Menominee, Mich ton 14.00 - —
Mosher, mo. ton 13.00 - —
North Tazewell, Va ton 12.75 - —
Reddick, Fla. ton 16.00 - —
Rockland, Me. ton 10.00 - —
Springfield, Mo ton 12.25 - —
Scotrock, Ala. ton 13.50 - —
Winooski, Vt ton 17.00 - —
Woodville, Ohio ton 16.50 - —
York, Pa ton 15.50 - —
Lime salts (see Calcium).
Lime-ammonia nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose oil, dms. lb. 5.95 - 6.70
ex lignaloe wood oil, dms. lb. 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb. 5.35 - 6.25
96-98%, dms lb. 6.75 - 7.15
ex petitgrain, bots. lb. 3.90 - 5.25
Lindane, 25% formulation, dealers, cns., works lb. 2.20 - —
dms., works lb. 2.10 - —
99%, tech., dealers, dms., works. lb. 2.75 - 3.35
Linden flowers with leaves, bls lb. .34 - .35
without leaves, bls lb. .40 - .41
Linseed meal, expeller 32-34% bulk Midwest, mills ton. 84.00 Nom.
extracted, 36%, bulk, same basis. ton. 81.00 Nom.
Litharge, com'l powd. bbls. c.l., works, frt. equald lb. .15½- —
l.c.l., same basis lb. .16 - —
Lithium benzoate dms lb 1.65 1.67
Bromide NF bbls., works, frt. equald lb 2.10 2.75
Carbonate, tech., c.l., dlvd lb. 1.00 - —
Chloride cryst., dms lb 1.22 1.28
Citrate, NF, bbls. dms., kgs lb 1.60 1.64
Fluoride, bbls., 10,000-lb. lots lb. 2.15 - —
ton lots lb. 2.20 - —
less ton lots lb. 2.25 - —
Hydride powd. dms., works lb. 12.00 -14.00
Hydroxide, monohydrate, ton lots, dms lb. 1.10 - —
Salicylate, dms lb 1.60 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. .45 - —
Lobeline sulfate, bots., works oz. 29.50 -33.50
Logwood extract, crystals, No. 1, bbls., c.l. lb. .41 - —
No. 2, bbls., l.c.l. lb. .39 - —
liquid, No. 1, bbls., c.l. lb. .20 - —
No. 2, bbls., l.c.l. lb. .19 - —
No. 3, bbls., l.c.l. lb. .18½- —
solid, No. 1 lb. .35 - —
Lycopodium, cs lb. 1.25 - 1.50
dl-Lysine hydrochloride, bots kilo. 145.00 -140.00

M

Mace, Siauw, No. 1, bls lb. 1.33 - 1.35
West Indian, No. 1, bls lb. 1.30 - —
Magnesia, calcined, tech., cns. works lb. .32 - .34¼
synth., rubber grade, light bgs., works lb. .23 - .25
extra light, works lb. .31 - —
USP, light, cns lb. .34 - .36
heavy, bbls. lb. .36 - .38
Magnesite, chemical grade, calcined powd., bgs., c.l., works, frt. equald ton 82.50 - —
dead burnt, standard grain, bulk, c.l., Chewalah, Wash ton. 38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09¼- —
l.c.l., frt. alld lb. .10½- —
bbls., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld lb. .11¾- —
kgs., c.l., frt. equald lb. .12 - —
USP, bgs., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld lb. .12¼- —
bbls., c.l., frt. equald lb. .11¾- —
l.c.l., frt. alld lb. .12¾- —
kgs., c.l., frt. equald lb. .13 - —
l.c.l., frt. alld lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt. equald with N. Y. C. on all other destinations.
Chloride, anhyd., 95-98%, lump, dms., c.l., works, frt. equald lb. .12¾- —
l.c.l., same basis lb. .14 - .15
powd., bgs., c.l., works ton. 50.00 - —
l.c.l., works ton. 55.00 -105.00
hydrous, flake, bgs., c.l., works, ton. 50.00 - —
l.c.l., bgs ton. 55.00 -105.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.40 - 5.50
Hydroxide, NF, medicinals, bbls., dms., kgs lb. 26¼- .30
Hypophosphite, dms lb. 1.60 - —
Metal, 99.8% ingots, cs., works lb. .27 - —
sticks, cs., works, frt. alld. on carlots lb. .46 - .48
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb. lots lb. .40 - —
100-lb. lots lb. .45 - —
Bulky and super grades of magnesium trisilicate, 7c. per lb. higher.
Malathion, dms., works lb. 1.05 - —
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
l.c.l., dlvd. E lb. .28 - —
Prices on maleic anhydride W. of Rockies, 1½c. higher.

Mandrake root, bls lb. .32 - .34
Manganese acetate, bbls., dlvd lb. .38 - —
Arsenate, bgs lb. .16 - —
Borate, tech., bbls lb. .24 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Manganese dioxide, African, 84-87%, 40,000 to 90,999-lb. lots, paper bgs., gross for net, works ton. 88.00 - —
paper-lined burlap bgs., works ton. 91.50 - —
dms., works ton. 94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots, $3 per ton higher.
Gluconate, dms lb. 1.79 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd., East lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld lb. .27 - —
Resinate, fused, 3½% Mn., dms. lb. 21¾- —
precip., dms lb. 24½- —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd., S. E ton. 80.50 - —
l.c.l., dlvd., S. E ton. 87.50 - —
Tallate, 6%, dms lb. .24¼- —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton. 69.00 - —
So. American, 30% tannin, c.l. ex dock ton. 54.00 -58.00
Mannitol, com'l, dms., works lb. .40 - .43
Melamine, bgs., ton lots, works lb. .33 - —
500 to 2,000-lb. lots, works lb. .33½- —
smaller lots, works lb. .38½- —
Menadione, USP, bots. gram. .06 - .06½
Menthol, natural, USP, Brazilian, cs. lb. 5.25 - —
Japanese, cs lb. 11.00 - —
synthetic, USP, racemic, cns lb. 4.95 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib., dms., ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 3.68 - —
gran. or powd., dms, 50-lb. lots or more lb. 3.53 - —
Cyanide, NF VIII, powd., fib. dms lb. 5.29 - —
Iodide, red, NF, fib. dms. lb. 6.47 - —
yellow, NF, fib. dms lb. 6.72 - —
Oxide, red, NF, powd., fib. dms. lb. 4.37 - 4.41
yellow, tech. (see Yellow, mercury oxide) USP, fib. dms lb. 4.64 - —
Mercurous chloride (see Calomel).
Mercury, ammoniated (see White precipitate USP).
Metal, 776 lbs. per flask, net flask. 235.00 -238.00
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
l.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Metaldehyde, dms., works lb. .95 - 1.25
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).

Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, natural, denaturing grade, dms. c.l., frt. alld gal. 78 - —
l.c.l., frt. alld gal. 79 - —
tanks, frt. alld gal. 70 - —
Prices on natural methanol w. of Miss. 3c. higher
synthetic, Zone 1, dms., c.l., dlvd. lb. .44 - —
l.c.l., dlvd gal. .49 - —
tanks, dlvd gal. .32 - —
Zone 2, dms., c.l., dlvd. gal. .49½- —
l.c.l., dlvd. within established whse. delivery zone gal. .54 - —
tanks, dlvd. gal. .33½- —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
dl-Methionine, fib. dms., frt. alld., 50-lb. or more lb. 4.55 - —
feed grade, 98% fib., dms. same basis lb 3.00 - —
97% fib dms same basis lb 2.97 - —
Methoxychlor, 50% wettable powder, dealers dms. cs., frt. alld lb. .81 - .84
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
l.c.l., same basis lb. .21 - —

NOW!
ready for
the big
market

THE NEW
ALKYD
for
EXTERIOR
HOUSE
PAINTS
★
Aroplaz
1400

"They can't wait to tell their customers about AROPLAZ 1400."

At last! Now you can make exterior house paints with the outstanding durability of alkyd resins, *plus* greatly increased resistance to moisture-blistering and metal-staining.

New AROPLAZ 1400 is the result of seven years of laboratory work and field testing. These tests show that paints made with AROPLAZ 1400 have better gloss retention, better wearing properties, and better over-all appearance throughout their long life... and brushing properties are excellent.

This new U.S.I. *"first"* gives best results as the sole vehicle for house paint formulations. However, it can also be partially modified with oil if desired. Known experimentally as resin DX-159, AROPLAZ 1400 is in commercial production. It is supplied at 100% solids content.

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Division of
National Distillers Products Corporation
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Branches in all Principal Cities

TEST AROPLAZ 1400 YOURSELF — Write, wire or telephone your nearest U.S.I. office today for information, including suggested formulations.

Methyl Abietate, Hydrogenated—Nicotinamide Hydrochloride

Methyl abietate, hydrogenated, non-ref., dms., c.l., dlvd., zone 1 lb. .21 - —
l.c.l., same basis lb. .21½- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., l.c.l., E. of Miss., frt. alld gal. .62½- —
syn., dms., c.l., dlvd. E gal. .66½- —
l.c.l. dlvd E gal. .72¼- —
tanks, dlvd E gal. .54½ —

Synthetic methyl acetone E. territory in all States East of and including Colo., Mont., N. Mex. and Wyo. West territory in all States West of those four.

Acrylate, dms., c.l., and truckload, works lb. .44½- —
less than truckload, works lb. .45½- —
tanks, works lb. .42¾- —

Alcohol (see Methanol).

Amyl acetate, dms., c.l., dlvd. E lb. .15 - —
l.c.l., dlvd. E lb. .16 - —
tanks, dlvd. E lb. .13 - —
Ketone, dms., works lb. 1.05 - —
Anthranilate, cns. lb. 2.50 - 2.65
Benzoate, cns., dms lb. .53 - .65
Bromide jobbers, cyls., various sizes works lb. .47 - .61

Cellulose, special, vis. (1,500-4,000 cps.) 50-lb bgs., c.l., works lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —
smaller lots, frt alld. on 100 lbs lb. .89 - 1.00

Methyl cellulose, standard vs. (15,-400 cps.), 50-lb. bgs., c.l., alld lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .85

Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis lb. .15 - —
single unit, same basis lb. .11½- —
refrigerator mfrs., cyls., dlvd lb. .40 - .42
other consumers or service men, cyls., dlvd lb. .57 —

Cinnamate, cns. lb. 1.43 - 1.80

Cyclohexanol, dms., c.l., works lb. .35½- —
c.l. works lb. .36 —
tanks, works lb. .34 —

Ethyl ketone, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —

Formate, refd., dms lb. .25 - .40
tech. non-ref. dms., any quantity works lb .00 —
tanks works lb. .07 —

Heptin carbonate, bots. lb.33.00 -42.00
p-Hydroxybenzoate, fib. dms. lb. 1.90 - 2.00
Ionone, standard, cns., dms. lb. 3.80 - 4.65
Isobutyl carbinol, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd lb. .16 - —
tanks, dlvd lb. .13 - —
Ketone, dms., c.l., dlvd lb. .15 - —
l.c.l., dlvd. lb. .16 - —
tanks, dlvd. lb. .13 - —
Lactate, dms. l.c.l., works lb. .35 - —

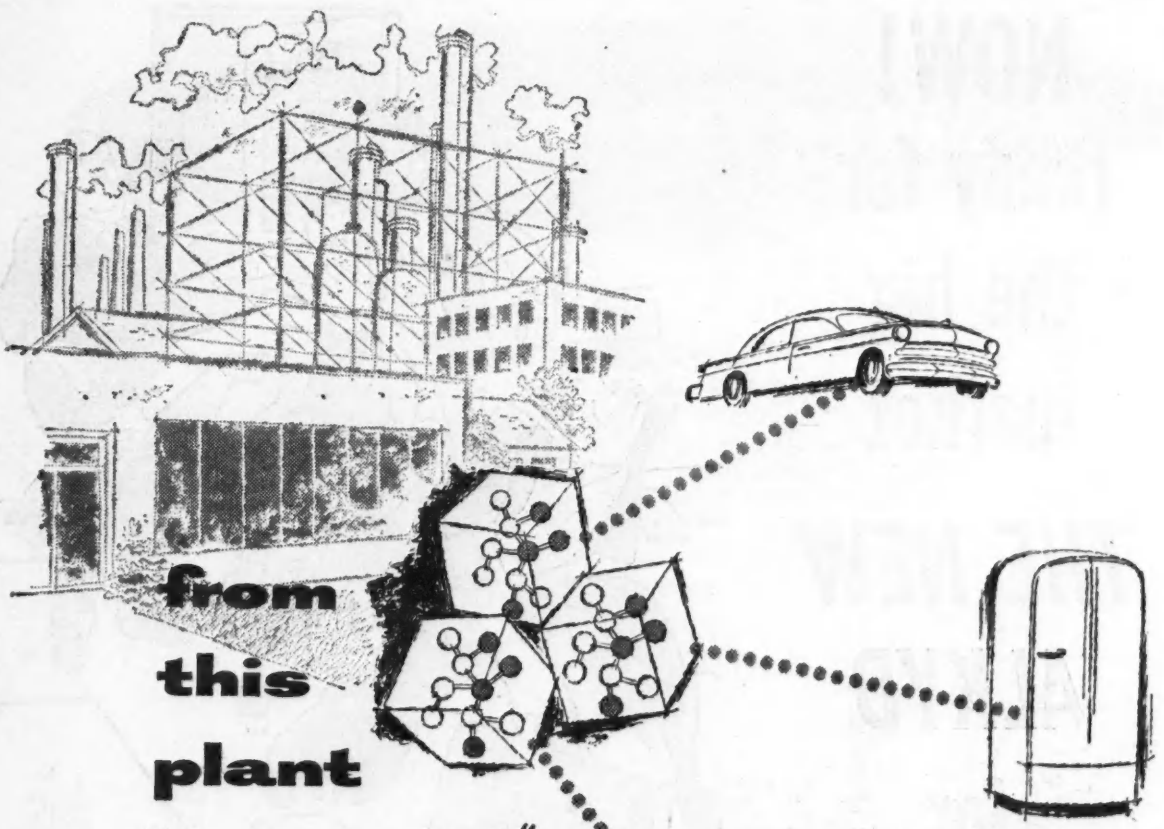
Methyl methacrylate, dms., c.l., and truckload, frt. equald., with Belle, W. Va., and Arlington, N. J. lb. .36½- —
smaller lots, same basis lb. .37 - —
tanks, same basis lb. .35 - —
Naphthyl ketone, cryst., cns. lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Roseaniline chloride, NF, fib. dms. lb. 5.44 - —
Salicylate, USP, cns., 50 lb. lots, dms. lb. .58 - —
Testosterone, USP, 100-gm. bots. gm. .79 - —
2-Methyl-5-ethyl pyridine, dms., c.l., works lb. .47½- —
l.c.l., works lb. .48 - —
tanks, works lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted lb. 3.25 - 3.60
smaller lots same basis lb. 3.40 - 3.60
Chloride, industrial, dms., c.l., dlvd. E lb. .13½- —

Methylionone, A, cns lb 6.55 8.80
D, cns lb 7.50 9.55
prime cns lb 4.55 6.40
standard, dms., cns lb. 3.80 - 4.65
b-Methylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone (see 1-Phenyl-3-methyl-pyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .06¼- —
l.c.l. ex-whse. or frt. alld. E lb. .07 - —

Mica, wet-grd., paint, or lacq., bgs., c.l., works, frt. alld. lb. .07¾- —
l.c.l. ex-whse. or frt. alld. E lb. .08½- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. alld., E lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08¼- —
white, extra fine, bgs., c.l., works, frt. alld. E lb. .07¾- —
l.c.l., ex-whse. or frt. alld. E lb. .08½- —
Mica, wet-grd. W. of Miss R. ½c. higher. W. of Rockies, 1c. higher.
Milk powder, non-fat, roller, bgs., c.l. lb. .11½- .15½
spray, bgs., c.l. lb. .14 - .16
whole, roller, bgs., c.l. lb. No prices.
spray, bgs., c.l. lb. .29 - .31
Sugar (see Lactose).
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap teed grade, tanks, New Orleans gal. .10½- .11
New York gal. .12 - —
Molybdenum metal, 98% Mo powd., kgs lb 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb 1.40 - —
technical, kgs. works, basis Mo content lb 1.15 - —
Monobutylamine, dms., c.l., E. of Rockies lb. .53 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb .53 - —
Monochlorobenzene dms., c.l., frt. alld. or dlvd. E lb. .11½- —
l.c.l., same basis lb. .12½- —
tanks, same basis lb. .10 - —
Monochlorobenzene prices in the West, 1¾c higher.
Monoethanolamine, dms., c.l., dlvd. E lb. .26¾- —
l.c.l., same basis lb. .27¾- —
tanks, same basis lb. .25 - —
Monoethylalphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E. lb. .33 - —
l.c.l., dlvd. E lb. .34 - —
tanks, dlvd. E lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylorthotoluidin (see N-Ethyl-o-toluidine).
Monoisopropylamine, dms., c.l., dlvd. lb. .30½- —
l.c.l., same basis lb. .31½- —
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., frt. equald., 100% basis. lb. .37 - —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .31 —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).
Morphine cns oz.12.40 -12.60
Acetate, anhyd. cns oz 9.95 -10.00
Hydrobromide, cns oz 9.90 9.95
Hydrochloride, NF, cns oz 9.90 9.95
Sulfate, USP, cns oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾ —
l.c.l. dlvd. E lb. .55¾- —
tanks, dlvd. E lb. .52¾- —
Musk, natural, Tonquin grains, bots. oz. No stocks.
synthetic, ambrette, 100-lb. lots, fib. dms lb. 5.15 - —
25-lb. lots, cns lb. 5.20 - —
5-lb. lots, cns lb. 5.30 - —
ketone, 100-lb. lots, fib. dms. lb. 5.30 - —
25-lb lots cns lb 5.35 - —
5-lb. lots, cns lb. 5.45 - —
xylol, 100-lb. lots, fib. dms lb. 1.40 - —
25-lb. lots, cns lb. 1.45 - —
5-lb. lots, cns lb. 1.50 - —
Mustard seed, Danish, yellow, bgs. lb. .11 - .11½
Dutch, yellow, bgs lb. .11 - .11½
English, yellow, bgs lb. .12 - .12½
Montana, Oriental, bgs. lb. .12 - —
yellow, bgs lb. .09 - —
Myrobalans, J-1, assorted, bgs., ex dock ton.47.00 -48.50
crushed, bgs., ex dock ton.62.00 -63.00
ordinary, bgs., ex dock ton.43.00 -44.00
extract, indian, solid 53% tannin, ex dock, plus duty lb. .07¼- —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see 5).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .045 - —
78°, dms., c.l., same basis lb. .050 - —
l.c.l., same basis lb. .0615- —
tanks, same basis lb. .05 - —
imported, 78°, large lots lb. .04½- .04¾
refined, industrial, dom., chipped or crushed, bgs., frt. equald. lb. .10½- —
flake, bgs., same basis lb. .11½- —
tanks, same basis lb. .09¾- —
balls, flakes, wholesalers, jobbers,, bbls., c.l., same basis. lb. .13¾- —
cs., 50 lbs., c.l., same basis lb. .14 - —
1-lb. pkgs. c.l., same basis lb. .16¼- —
a-Naphthol, bbls., frt. alld lb. 1.00 - —
b-Naphthol, resublimed, dms., works. lb. .78½- —
tech., bbls., c.l., works lb. .32½- —
l.c.l., works lb. .34½- —
Benzoate, fib. dms., works lb. 3.00 - —
custom contract, works lb. 1.65 - —
Salicylate, dms lb. 5.00 - —
Sulfate, cns lb.35.00 - —
a-Naphthylamine, bbls., frt. alld lb .50 - —
b-Naphthylamine, tech., bbls., works. lb. 1.05 - 1.10
Neocinchophen, USP, dms., frt. adjusted lb 7.00 - 8.00
Neomycin sb. dms., 100-kilo lots, basis, activity gm. .60 - —
1-kilo lots, basis, activity gm. 1.20 - —
Nerolin, cns lb. 2.45 - 2.65
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .75 - .83½
Carbonate, bbls., dlvd lb. .71 - .73
Chloride, bbls., dlvd lb. .37 - .45
Formate, bbls., ton lots, frt alld. lb. .84 - .88
Metal, electro cathodes, cs., works. lb. .60 - —
Nitrate, bbls., works lb. .36 - .37
Oxide, black, bbls lb. .69 - —
Sulfate, bgs., c.l., dlvd lb. .29 - —
l.c.l., dlvd lb. .29½- .37
Nicotinamide, USP, dms., frt. adjusted kilo.12.60 -12.30
Hydrochloride, dms., frt. adjusted. kilo.11.30 -11.80



...will come chemical "building blocks" for industry

It's the new plant, located near Memphis, Tennessee, designed to produce 72,000 tons of fixed nitrogen annually.

The building stage is well advanced and the plant scheduled to be on stream this fall. The ammonia and urea produced will be important "building blocks"—chemical building blocks for the new synthetics that are helping to raise America's living standard to new heights.

If you manufactyre any of the following products from ammonia or urea, Grace Chemical will be a new, reliable source of raw material supply:

PHARMACEUTICALS: Penicillin • Hypnotics • Streptomycin • Tooth Pastes • Sedatives • Disinfectants
TEXTILES: Urea formaldehyde resins • Fibers • Mordant • Color intensifier • Fade inhibitor • Dyestuffs
EXPLOSIVES: Military and Industrial • Stabilizer
REFRIGERATION: Deep freezing • Petroleum refining • Foods • Fur storage • Ice cream • Brewing
RUBBER: Latex stabilizer • Vulcanizing accelerator • Specific properties
PETROLEUM: Refrigerant • Isomer separation • Anticorrosive
AGRICULTURAL CHEMICALS: Fertilizers • Animal Feeds

Build your plans now for using these chemical building blocks from Grace. Our highly-trained Technical Service group will be pleased to offer suggestions or help with your particular problems.

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Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld. lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld. lb. 1.03 - —
Niger seed, bgs. lb. .14½- .15
Nikethamide, cbys. lb. 7.50 - 8.00
m-Nitroaniline, dms., frt. alld. lb. 1.05 - —
o-Nitroaniline, flaked, dms. lb. .54 - .57
powd., dms. lb. .60 - —
p-Nitroaniline, dms., c.l., frt. alld. lb. .50½- —
l.c.l., frt. alld. lb. .53½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .12 - —
l.c.l., frt. alld. lb. .13 - —
tanks, frt. alld. lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works. lb. .14½- —
l.c.l., works. lb. .15 - —
tanks, works. lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works. lb. .34 - —
l.c.l., same basis. lb. .35 - .37
18-25 cps., bbls., c.l. lb. .36 - —
l.c.l., same basis. lb. .37 - .39
250-400, 600-1,000 secs., bbls., same basis. lb. .39 - —
l.c.l., same basis. lb. .40 - .42
spirit-soluble, 30-35 cps., ¼, ½ sec., bbls., same basis. lb. .41 - —
l.c.l., same basis. lb. .42 - .44
5-6, 40-60 secs., bbls., c.l., same basis. lb. .40 - —
l.c.l., same basis. lb. .41 - .43

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.

2-Nitro-4-chlorobenzene, dms. lb. .20 - .21
4-Nitro-2-chlorobenzene, dms. lb. .26 - .27
2-Nitro-4-chlorophenol, dms. lb. .75 - —
Nitroethane dms. divd. E. of Rockies. lb. .25 - —
Nitrogen solution, tanks, frt. equald, 37-40.8% N, basis 100% ton. 123.00 - —
Nitrogenous process tankage bulk, works. unit-ton. 3.65 - 4.40
Sewage sludge, bulk, works unit-ton. 3.75 + .50
Nitromethane, dms., l.c.l., divd. E. of Rockies lb. .25 - —
a-Nitronaphthalene, bbls, frt. alld. lb. .41 - —
Nitropropane 1, dms., divd. E. of Rockies. lb. .23¼- —
2, dms., divd. E. of Rockies. lb. .25 - —
l.c.l., works. lb. .24¾- —
tanks, works. lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald. lb. .94 - —
p-Nitrophenol, dms., works, frt. equald. lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld. lb. .09 - —
p-Nitrotoluene, dms., works. lb. .33 - .36
m-Nitro-p-toluidine, dms. lb. 1.59 - —
Nitrous ether, conc., bots. 100-lb. lots. lb. 1.28 - 1.35
Nonyl phenol, dms., c.l., works, frt. alld. lb. .30 - .30¾
l.c.l., works. lb. .30½- .31¾
tanks, works. lb. .29 - —
Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs. lb. .45 Nom.
Nutmeg, East Indian, whole, bgs. lb. .41 - —
shrivels, bgs. lb. .39 - .40
West Indian, bgs. lb. .30 - .30½
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs. lb. .15 - .17

O

Octane, industrial, tanks, Bayonne, N. J. gal. .19 - —
Baytown, Tex. gal. .15¾- —
Borger, Tex. gal. .15¾- —
1-Octanol, tech., dms., c.l., divd. lb. .35 - —
l.c.l., divd. lb. .37 - —
tanks, divd. lb. .32½- —
Octyl phenol, dms., c.l., works. lb. .23¾- —
l.c.l., works. lb. .24¾- —
tanks, works. lb. .22¾- —

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies siberica, cns. lb. 2.05 - 2.53
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 3.00 - 3.40
NF, bots. lb. 3.25 - 3.75
sweet, USP, dms., cns. lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.40 - 1.85
Angelica root, bots. lb. 70.00 -120.00
seed, bots. lb. 56.00 -95.00
Aniline (see A).
Anise, USP, dms. lb. 2.75 - 3.75
Apricot, kernel, USP, dms. lb. .45 - .50
Avocado, cns. lb. 3.25 - —
Babassu, crude, tanks. lb. No stocks.
Bay, NF, Puerto Rican, 50-55%, cns. lb. 1.45 - 1.90
55-60%, cns. lb. 1.60 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.45 - 2.25
Bergamot, nat., NF, Italian, cns. lb. 11.00 -13.00
Birchtar, crude, cns. lb. 1.75 - 1.90
rectified, NF, cns. lb. 2.00 - —
Bois de Rose, Brazil, dms. lb. 3.95 - 4.25
Mexican (see Oil, lignaloe wood).
Bone, dms., works. lb. .65 - .70
Cajeput, native, cns. lb. 2.00 - —
redist., USP, cns. lb. 2.55 - 3.00
Calamus, bots. lb. 16.00 -28.00
Camphor, sassafrassy, dms. lb. .26 - .45
white, dms. lb. .26 - .35
Cananga, native, cns. lb. 8.50 -10.25
rectified, cns. lb. 12.50 -13.75
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns. lb. 2.80 - 3.45
Cardamom, NF, bots. lb. 41.00 -46.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .20 - —
l.c.l. lb. .2150- —
dehydrated, bodied, dms., c.l. lb. .2260- —
l.c.l. lb. .2310- —
tanks lb. .2160- —
unbodied, dms., c.l. lb. .2110- —
l.c.l. lb. .2160- —
tanks lb. .2010- —
hydrogenated, bgs., l.c.l. lb. .2350- .2450
No. 3, tech., dms., c.l. lb. .1775- —
l.c.l. lb. .1825- —
tanks lb. .1675- —
No. 1, Brazilian, tanks. lb. .1525- .1550
USP, dms., c.l. lb. .1800- —
l.c.l. lb. .1850- —
tanks lb. .1700- —
refined and deodorized, dms., c.l. lb. .1950- —
l.c.l. lb. .20 - —
tanks lb. .1850- —
sulfonated, 50%, dms., l.c.l. lb. .13½- .14
75%, dms., l.c.l. lb. .17 - .17½
Cedarleaf, cns., dms. lb. 2.25 - 3.00
Cedarwood, cns., dms. lb. .65 - .85
Celery seed, bots. lb. 15.00 -21.00
Chamomile, blue, Hungarian, bots. lb. 185.00-280.00
Chaulmoogra NF, cns. lb. .55 - .70
Chinawood (see Oil, tung).

Oil, cinnamon bark, bots. lb. 30.50 -34.25
leaf, cns. lb. 1.25 - 3.25
USP, cns., dms., (Cassia). lb. No stocks.
Citronella, Ceylon, cns., dms. lb. .70 - 1.05
Java, true, dms. lb. .80 - .90
Java-type, cns. lb. .80 - 1.15
Clove, USP, cns., dms. lb. 3.80 - 5.00
Coconut, crude, tanks, N. Y. lb. .14½- —
Pac. Coast lb. .13¾- —
refined, Cochin type tax incl., ret. dms., l.c.l. lb. .22¼- —
deodorized, tax incl. non ret. dms., c.l. lb. .24½- —
Cod, Newfoundland, dms. lb. .09½- .10
Codliver, USP, dms. gal. 1.55 - 1.65
Copaiba, cns. lb. 1.80 - 2.50
Coriander, USP, bots. lb. 16.80 -22.00
Corn, crude, tanks, works. lb. .15 - —
foots (soapstock), acid 95%, tanks, N. Y. lb. .07¼- —
refined, salad, dms. lb. .19½- .19¾
tanks lb. .18¼- —
Costus, bots. oz. 9.00 - —
Cottonseed, crude, tanks, South-East. lb. .14½ Nom.
Valley lb. .14½- .14¼
Texas lb. .13¾- .13⅞
foots (soapstock), acid 95%, tanks, N. Y. lb. .04¼- —
raw, 50%, tanks, same basis. lb. .02½ Nom.
refined, salad, dms. lb. .19¼- .19½
tanks lb. .17⅞- —
Creosote (see Creosote, coaltar).
Croton, cns. lb. 4.30 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns. lb. 4.50 - 6.00
Cumin, bots., cns. lb. 5.75 - —
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 4.25
Dillweed, dom., bots., dms. lb. 4.00 - 5.25
Dip (see D).

Oil, erigeron, cns. lb. 5.50 - 7.50
Eucalyptus, NF, rectified 70-80%, dms. lb. .90 - .95
80-90%, dms. lb. .75 - 1.25
Fennel, sweet, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns. lb. 2.65 - 3.10
Fish, refined, alkali, dms. lb. .1400- .1500
kettle-bodied, dms. lb. .1580- .1680
light-pressed, dms. lb. .1250- .1350
tanks lb. .1100- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gm., dms 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gm., dms 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gm., dms 1,000,000 units. .10½- .11
100,000 A units per gm., dms 1,000,000 units. .12 - .14
200,000 A units per gm., dms 1,000,000 units. .12 - .14
300,000 A units per gm., dms. 1,000,000 units. .12 - .14½
400,000 A units per gm., dms 1,000,000 units. .12 - .14½
500,000 A units per gm., dms 1,000,000 units. .12 - .14½

Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fuse, (see F).
Garlic, pure, bots. oz. 6.00 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns. lb. 10.00 -12.00
Bourbon, cns. lb. 10.25 -13.00
Turkish (see Oil palmarosa).

Oil, ginger, dist., bots. lb. 12.00 -16.00
Grapefruit, dms. lb. 2.60 - 3.00
Grease, No. 1, dms. lb. .13½- .14⅛
exta, winter, strained, dms. lb. .17½- .18
prime, burning, dms. lb. .18½- .19
Guaiacwood, cns. lb. 1.40 - 1.90
Hemlock, cns. lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots. lb. 2.75 - 4.00
twice rectified bots lb 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns. lb. .65 - —
Lard (see Oil grease).
Laurel leaf, dms., cns. lb 9.75 -12.50
Lavandin, dms., cns. lb. 2.00 - 2.85
Lavender, flower, USP, French, 30-32% ester, cns. lb 2.50 - 4.50
38-40% ester, cns. lb. 5.60 - 7.25
40-42% ester, cns. lb. 6.40 - 7.60
Spike, Spanish, cns. lb. 1.50 - 2.00
Lemon, USP, Calif., cns., dms. lb. 7.10 - 7.50
Messina, cns. lb. 7.00 -10.00
terpeneless bots lb. 32.00 -85.00
Lemongrass, cns., dms. lb. 1.50 - 2.00
Lignaloe wood, Mex., cns. lb. 3.90 - 4.50
Lime, distilled, Mexican, cns. lb. 5.25 - 6.50
West Indian, cns. lb. 5.40 - 7.25
expressed, West Indian, cns. lb. 7.75 - 8.50
terpeneless, bots. lb. 29.50 -100.00
Linseed, raw, dms., c.l., N.Y. lb. .1675- .1705
l.c.l., lb. .1755- .1800
tankcar, f.o.b. Minneapolis. lb. .1400- .1430
New York lb. .1525- .1555
tankwagon, New York lb. .1555- .1385
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms. lb. 3.00 - 4.25
Manadarin, Florian, dms. lb. 2.75 - 5.35
Italian, cns. lb. 6.25 - 8.50

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NAME_____
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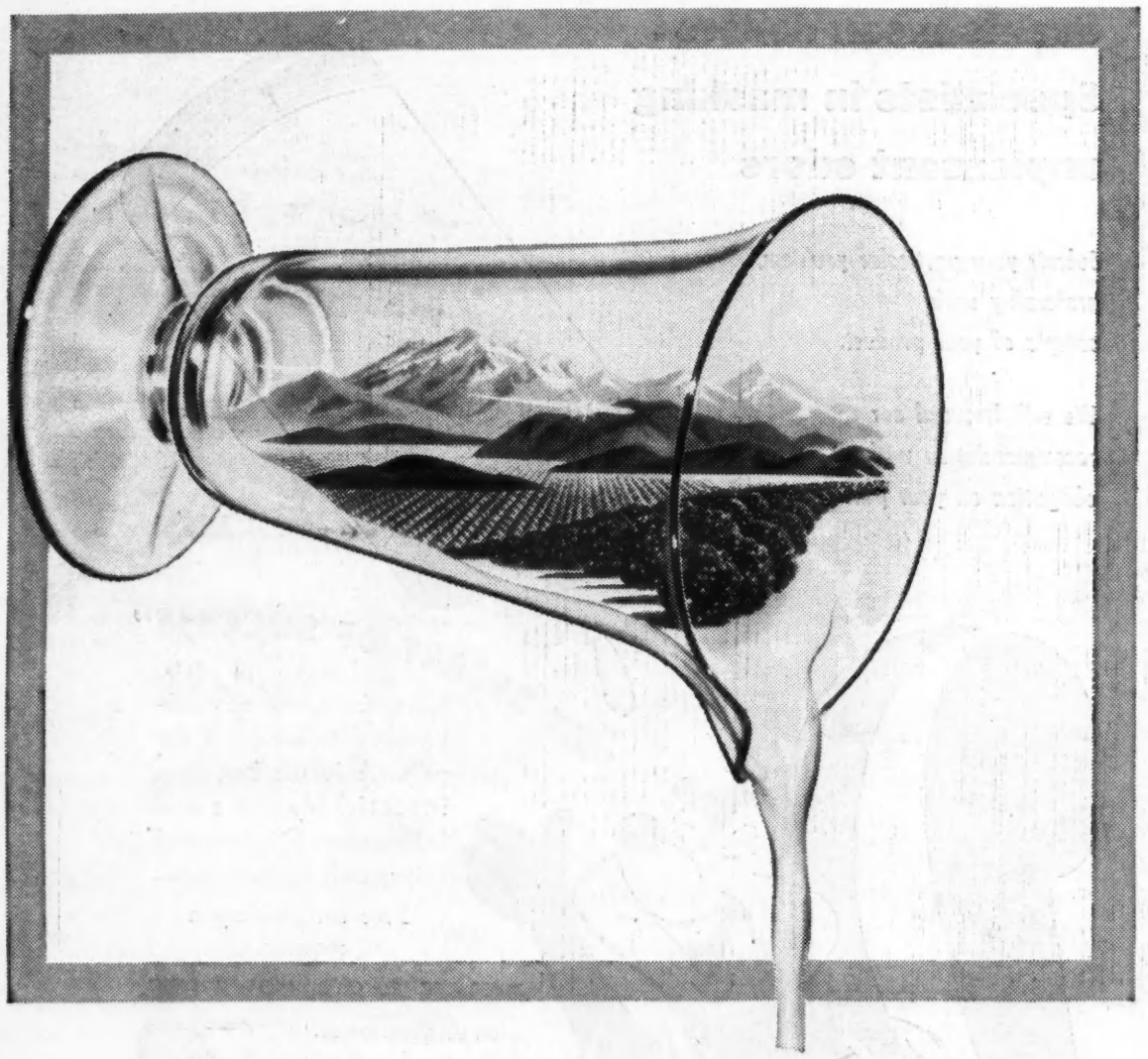
Oil, Menhaden—Paraffin

Oil, menhaden, crude, tanks, Atlantic Coast lb. .07¼ Nom.
Gulf ports lb. .07¼ Nom.
Mineral, white (see Oil, white mineral)
Mirbane (see Nitrobenzene)
Mustard seed, nat., dms lb. .18 Nom.
synthetic, cans, dms lb. 1.60 - 1.85
Neatsfoot, 15° cold test, dms lb. .33 - .34
20° cold test, dms. lb. .32 - .33
30° cold test, dms. lb .30 .31
Neroli, NF, French, bots lb.165.00 -250.00
Spanish, bots lb.35.00 -85.00
Nutmeg, USP, dist., East Indian, cns., dms lb 2.85 3.65
West Indian cns. dms lb 2 60 3 65
Ocotea, cymbarum, dms lb. .88 - 1.30
Oiticica, liq., dms lb. .18½- .19
tanks lb. .17 - .17¼
Oleo, extra, dms lb. .22½- —
Olibanum, bots. lb 5.50 7.65
extra fine bots lb 9 00 —
Olive, edible, dms., duty paid lb. 2.20 - 2.30
Orange, sweet, dist., cns lb. .40 .80
expressed, USP Brazilian, cns., dms lb No stocks.
Calif., cns., dms lb. .70 - 1.25
Florida, cns., dms lb. .64 - 1.25
Messina, cns lb 3.85 - 5.85
West Indian, cns., dms lb 2.50 - 3.65
sesquiterpeneless, bots. lb.100.00 -150 00
Origanum, Spanish, cns lb 1.95 - 2.85
Palm, clarified, dms lb. .1240- .1250
kernel, tankcars lb. .13⅞- —
Palmarosa, cns lb. 5.75 - 8.75
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery gal 14 —
Patchouli, dms. lb. 8.00 - 9.25
Peach kernel, USP (see Oil apricot kernel)
Oil, peanut, crude, tanks, f.o.b. mills lb. .17⅝- —
refined, dms lb. .23 - .23½
tanks lb. .21½- —
Pennyroyal, USP, imported, cns. lb. 1.60 - 2.49
Peppermint, natural, dms lb. 5.20 - 6.40
redist., USP, dms lb. 6.15 - 7.50
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms lb. 2.90 - 3.50
Pimento berry, NF, dms lb. 4.50 - 6.00
leaf, cns lb. 2.35 - 2.75
Pine, dest-dist., dms., l.c.l., works, lb. .11¼- —
ex-whse. lb. .13¼- —
steam dist., dms. ex whse., N.Y.C. lb. .151 - —
Pineneedle Siberian (see Oil, abies siberica).
Rapeseed, tankcars lb. .17 - —
Red (see Acid, oleic).
Rice bran, clarif., dms lb. .17 - —
tanks, dlvd. E lb. .15 Nom.
Rose natural, Bulgarian, bots oz.55.00 -62.25
Rosemary, Spanish, USP, cns., dms lb. .80 - 1.00
tech., cns., dms lb. .60 - .70
Rue, bots lb. 2.25 - 2.80
Safflower dms. c.l. Atlantic coast. lb. .17½- —
tanks, same basis lb. .16 - —
Sage, clary bots lb.20.00 -25.00
Dalmatian, cns lb. 6.25 - 8.25
Spanish, cns lb .90 1.25
Sandalwood, NF, cns lb. 9.25 -11.75
Sardine, crude, tanks, Pac. coast lb No stocks.
Sassafras, artificial, dms lb. .85 - 1.00
natural Brazilian (See Oil ocotea cymbarum)
domestic, USP, cns., dms lb. 1.70 - 2.25
Oil, savin, cns lb. 2.75 - —
Savory, cns lb No stocks.
Sesame, refd., dms lb. .38 - .37
Shingle stain, tar distillate, dms., c.l., works lb. .33 - —
l.c.l., works lb. .35 - —
tanks, works lb. .23 - —
Snakeroot, Canada, cns lb.29.50 -31.00
Soybean, crude, tanks, Decatur. lb. .14¼- —
foots (soapstock), acid, 95% tanks, N. Y. lb. .06½- —
raw, 50%, tanks, N. Y. lb. .03⅝- —
refined, alkali, dms lb. .18¼- .18½
tanks lb. .16¾- —
clarified, alkali, dms lb. .17¾- .18¼
tanks lb. .16¼- —
salad, dms lb. .18¾- .19
tanks lb. .17¼- —
Spearmint, USP, dms lb. 5.20 - 6.00
Sperm, bleached winter, 45°, dms. lb. .15¾- .16½
tankcars lb. .14 - —
natural winter, 45°, dms lb. .1475- .1550
tankcars lb. .1300- —
Spruce, cns., dms lb. 2.10 - 2.75
Sweet birch, USP, Northern, cns. lb. 4.25 - 9.50
Southern, cns lb. 2.50 - 3.00
Tall, crude, tanks, works ton.40.00 - —
refined, dms., c.l., works lb. .06¼- —
l.c.l., works lb. .06½- .07
tanks, works lb. .05 - .05½
Tallow, acidless, dms lb. .12 - .12½
Tansy, dms. lb. 7.75 - 9.00
Tar, pine, com'l. dms., extra, c.l., works gal. .42½- —
l.c.l., works gal. .50½- —
whse lb. .0678- —
tanks, works gal. .33½- —
rectified, NF, dms. incl., l.c.l., works, South gal. .90 - —
whse., N.Y.C. gal. 1.00 - —
Tar acid (see 1)
Oil, theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.70 - 3.75
white, cns. lb 1.95 4.00
tech. white, cns lb. .40 1.85
Tung, dms., c.l., N. Y. lb. .23¾- —
l.c.l., same basis lb. .24¼- .24¾
tanks, N. Y. lb. .22¼- —
domestic mills lb. .23½ Nom.
Turkey red (see Oil, castor, sulphonated).
Turpentine, NF cns., dms lb .20 .45
Vetiver, Bourbon, cns lb.14.00 -17.50
Haitian, cns lb.11.80 -21.00
Java, cns. lb.22.50 -40.00
Wheat germ, 5-gal dms gal.10.00 -13.00
White mineral, tech., 50-65 vis., non-ret. dms., c.l., f.o.b., N. Y. gal. .51½- .54½
65-75 vis., non-ret., dms., c.l., same basis gal. .52½- .53
l.c.l., same basis gal. .57½- .58½
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56½
l.c.l., same basis gal. .58½- .59½
125-135 vis., non-ret., dms., c.l., same basis gal. .59½- .62½
l.c.l., same basis gal. .64½- .65½
145-155 vis., non-ret., dms., c.l., same basis gal. .66 - .68½
l.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret., dms., c.l., same basis gal. .69½- .73
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret. dms., c.l., same basis gal. .73½- .75
l.c.l., same basis gal. .77½- .78
345-355 vis., non-ret., dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 7.15 -14.50
Southern, cns lb. 3.20 -19 50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. lb. 6.75 - 8.00
Wormwood, cns. lb. 5.50 - 6.85
Ylang-ylang, Bourbon, bots lb.17.00 -30.00
extra, bots lb.28.00 -40.00
Madagascar bots lb No stocks.
Oleostearine, bbls lb. .16½- —
Opium, USP, cns lb.19.20 -19.45
gran., USP, cns lb.21 65 -21.90
powd., USP cns lb.21 65 -21.90
Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP., bbls., dlvd. N of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroanilin toner lb. 1.30 - —
Mineral, American, bbls, l.c.l., works lb. .1935- .1960
Molybdated, bbls. lb. .44 - —
Orthonitroanilin toner, kgs. lb. 1.15 - —
Orange peel, bitter, Haitian, bls lb. .14 - .16
sweet, bls lb. .16 - .18
Orris root, Florentine, bls. lb. .35 - .40
Verona, bls lb. .29 - .31
powdered, bbls., bxs lb. .35 - .40
Orthoaminobiphenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroanilin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroanilin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroanilin (see o-Nitroaniline).
Orthonitrochlorobenzene (see 2-Nitro-4-chlorobenzene).
Orthonitrobiphenyl (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenylphenol (see o-Phenylphenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidine (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, crystals, No. 1, bbls., l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Ouabain, USP, bots gram 3.00 - 4.00
Ox bile, extract, powdered, USP 5-lb. lots or more, ctns lb. 6.00 - —
not extract, powdered 5-lb lots or more, ctns lb. 4.35 - —
Oxyquinolin sulfate, cns., 100-lb. lots, works lb 4.75 - 5.00
smaller lots, works lb. 4.92 - 5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb. 5.75 - —
Pancreatin USP bots lb 2 50 3 00
Papain, USP, African, bots lb. 4.00 - 4.50
Ceylon lb. 3.00 - 3.50
Papaverine, natural or synthetic hydrochloride, USP, cns., 25 oz. to 100 oz., lots oz. 5.00 - —
smaller lots oz 5.05 - 5.20
Sulfate, cns oz. 7.10 - 7.35
Paprika, Roumanian, bgs lb. .30 - .33
Spanish, bgs lb. .38 - .40
Yugoslavian, bgs. lb. .38 - —
Para-anisidin (see p-Anisidine).
Para-acetylaminobenzaldehyde thiosemicarbazone (see p-Acetylaminobenzaldehyde thiosemicarbazone).
Para-aminophenol (see p-Aminophenol).
Parachloroanilin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroanilin (see 4-Chloro-2-nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F, ASTM, solid, c.l., ref'y lb. .0660- —
fully refined, 122°-124°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., ref'y lb. .0845- —
130°-132°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
132°-134°, ASTM, slabs, loose, c.l., ref'y lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., ref'y lb. .0855- —
Prices for paraffin in bags and ctns., c.l. 7/10¢ per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb higher and under 1,000 lbs., 3.7c. per lb. higher.
AMP temperatures are an arbitrary 3° F. higher than ASTM.



THE LEADING ORANGE OIL WITH CALIFORNIA FLAVOR

There's a reason for the growing popularity of Exchange Oil of Orange. Only Exchange Brand combines the flavor and aroma of California oranges with *Exchange* quality. Carefully selected oranges from the famous California groves of Sunkist Growers are processed to scientific specifications in modern California plants. You receive distinctive flavor and fragrance... in addition to unmatched uniformity of strength.

Sunkist Growers
PRODUCTS DEPARTMENT • ONTARIO, CALIFORNIA

Produced by
The Exchange Orange Products Co.
Ontario, California

Distributed in the U. S. exclusively by
FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N. Y.
DODGE & OLCOTT, INC.
180 Varick St., New York 14, N. Y.

Exchange
OIL OF ORANGE U. S. P.

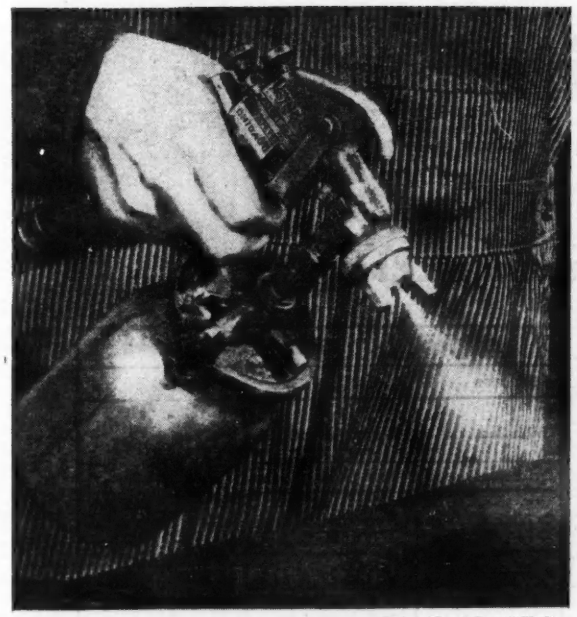
Paraformaldehyde, 91%, flake, bgs., c.l., frt. alld..lb. .12 - —
l.c.l., frt. alld.....lb. .13½- —
powd., bgs., c.l., frt. alld..lb. .15½- —
l.c.l., frt. alld.....lb. .17 - —
USP X, fib dms., c.l.....lb. .198 - —
10,000-lb lots .....lb. .198 - —
1,000-lb. lots .....lb. .198 - —
smaller lots.....lb. .208 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works..lb. .13¼- —
l.c.l., works.....lb. .14½- —
tanks, works.....lb. .11½- —
Paranitroanilin (see p-Nitroaniline).
Paranitrochlorobenzene (see 4-Nitro-2-chlorobenzene).
Paranitrophenol (see p-Nitrophenol).
Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., works..lb. .48 - .49
tech., dms., works.....lb. 1.62 - 1.64
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms. c.l., works, frt. alld. on 96 lbs or over lb. .36 - .40
l.c.l., same basis .....lb. .37 - .53
Passion flower herb, bls .....lb. .21 - .23
Peanut meal, 45%, old process, bgs., mills..ton.95.00 - —
solvent process, bgs., same basis..ton.93.00 - —
Pectin, citrous, NF, powd. bbls lb 2.05 - 2.06
tech. powd bbls lb 1.50 - —
imported, Danish, ex whse....lb. 1.28 - —
Penicillin, crystalline, potassium, sterile bulk, 1,000,000 units..lb. .08½- .09
Procaine, bulk, 1,000,000 units..lb. .08½- .09
Sodium, sterile, bulk, 1,000,000 units.....lb. .08½- .09
Pentachlorophenol, dms. c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs. min. same basis lb. .21¼- —
Pentaerythritol tech., bgs., c.l., works lb. .34 - —
l.c.l., works .....lb. .35 - .36
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol)
Pentane, industrial, tanks, Tex. ref'y gal. .14½- —
Pepper, black, Malabar, spot, bgs lb. .73 - .74
red, Gondar, spot bgs .....lb. .24 - .25
Japanese, hontaka, bgs.....lb. .37 - .38
birdseyes, bgs., new crop..lb. .56 - —
Mombasa, bgs., ship't.....lb. .60 - —
Nigerian, bgs .....lb. .29 - —
Turkish, bgs .....lb. .24 - .25
Zanzibar, bgs. .....lb. .55 Nom.
white, bgs. .....lb. .81 - .82
Peppermint leaves, USP, dom., bls., dms .lb. .70 - .75
imported, bls. .....lb. 1.25 - —
Pepsin, NF, 1:3,000 bulk.....lb. 3.75 - 3.90
Perchloroethylene, dms c.l. or truckloads, frt. alld..lb. .11¾- —
dlvd E. .....lb. .11½- —
l.c.l., dlvd. ex whse.....lb. .13½- —
dlvd E .....lb. .13½- —
Peru balsam, dms .....lb. 1.40 - 1.75
Petrolatum, amber, dms., c.l., refy. .lb. .05 - .05⅜
l.c.l., dlvd.....lb. .06¾- .07
tanks, refy .....lb. .03¼- .04⅛
cream, dms., c.l., ref'y.....lb. .06⅛- .07⅛
l.c.l., dlvd.....lb. .08½- .08¾
tanks, refy .....lb. .04⅜- .05⅛
extra, amber, dms., c.l., refy..lb. .05¼- .05⅞
l.c.l., dlvd .....lb. .07 - .07¼
tanks, refy .....lb. .03½- .04⅜
USP, white, lily, dms., c.l., ref'y. .lb. .06⅝- .07½
l.c.l., dlvd.....lb. .08⅞- .09⅛
tanks, refy.....lb. .04⅞- .06
snow, dms., c.l., ref'y.....lb. .07⅛- .07¾
l.c.l., dlvd.....lb. .09⅜- .09⅝
tanks, refy .....lb. .05⅜- .05⅞
soft, dms., c.l., refy.....lb. .06¾- .07¾
l.c.l., dlvd.....lb. .08½- .08¾
tanks, refy .....lb. .05 - .05⅛
yellow, soft, dms., c.l., refy..lb. .05¼- .05⅞
l.c.l., dlvd.....lb. .06⅞- .07⅛
tanks, refy.....lb. .03½- .05⅞
Petroleum, crude, bulk, at wells, California..bbl. 1.42 - 3.53
Illinois .....bbl. 2.69 - 5.02
Kentucky .....bbl. 2.62 - 3.02
Louisiana-Arkansas ....bbl. 2.33 - 3.23
Montana .....bbl. 1.53 - 2.90
Oklahoma-Kansas .....bbl. 2.48 - 2.90
Penna. grade, middle distrct..bbl. 3.70 - —
Texas, East.....bbl. 2.90 - —
Gulf Coast .....bbl. 2.63 - 3.23
North, North-Central..bbl. 2.48 - 2.90
Panhandle .....bbl. 2.48 - 2.90
West .....bbl. 2.35 - 2.90
Wyoming .....bbl. 1.53 - 2.90
Fuel oil, bunker C, No. 6, East Coast, Baltimore, Md..bbl. 2.25 - —
Boston, Mass. .....bbl. 2.29 - —
Charleston, S. C.....bbl. 2.20 - —
Jacksonville, Fla.....bbl. 2.18 - —
New York Harbor....bbl. 2.25 - —
Norfolk, Va. .....bbl. 2.23 - —
Philadelphia, Pa.....bbl. 2.20 - 2.22
Portland, Me. .....bbl. 2.29 - —
Providence, R. I.....bbl. 2.26 - —
Savannah, Ga. .....bbl. 2.20 - —
West Coast .....bbl. 1.80 - 2.10
diesel, tanks, ref'y, California, gal. .1025- .133
New York.....gal. .104 - —
Penna., western....gal. .1075- .1125
furnace, tanks, refinery, Arkansas, No. 2 gal. .08625- —
No. 3 .....gal. .0825- —
N. Y. Harbor, No. 2..gal. .089 - .10
Group 3, No. 1.....gal. .08875- .09375
No. 2.....gal. .0825- .09375
No. 3.....gal. .07875- .08125
range .....gal. .08875- .09375
Pennsylvania western, No. 1..gal. .109 - .1185
No. 2.....gal. .106 - .111
No. 3.....gal. .106 - .1105
Lacquer diluent, 150°-240°F., b.r., tanks, West Coast, ex tax, Los Angeles..gal. .168 - .183
East coast, N. J., N. Y..gal. .19 - —
Group 3, benzol-type....gal. .14125- —
toluol-type .....gal. .13125- —
Mineral spirits, regular tanks, California, ex tax, San Francisco gal. .163 - —
East coast, N. J., N. Y.gal. .17 - —
Group 3 .....gal. .11875- —
tankwagon, Boston.....gal. .19 - —
Buffalo .....gal. .195 - —
Chicago .....gal. .279 - —
Cleveland .....gal. .22 - —
Newark .....gal. .18 - —
New York .....gal. .18 - —
Philadelphia .....gal. .185 - —
Pittsburgh .....gal. .18 - —
Providence .....gal. .195 - —
specially ref'd, tanks, refy., Watson, Calif..gal. .244 - —
Borger, Tex .....gal. .24 - —
Houston, Tex .....gal. .24 - —
Wood River, Ill..gal. .2625- —
tank transport, dlvd. N. J. gal. .32 - —
dlvd N. Y .....gal. .33½- —
tankwagon, N. J., dlvd.gal. .36 - —
N. Y., dlvd. .....gal. .37 - —

Petroleum, naphtha, cleaners, tanks, East Coast, N.J. and N.Y. gal. .17 - —
Group 3 .....gal. .12375- —
tankwagon, Newark.....gal. .18 - —
New York .....gal. .18 - —
Philadelphia .....gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic)
V.M.&P., 225°-300°F., b.r., tanks, West Coast, Los Angeles. gal. .168 - —
Portland, Ore. gal. .174 - —
San Francisco.gal. .173 - —
Seattle, Wash.gal. .174 - —
East Coast, N. J., N. Y..gal. .18 - —
Group 3 .....gal. .12875- —
tankwagon, Boston....gal. .205 - —
Chicago .....gal. .289 - —
Cleveland .....gal. .23 - —
Newark .....gal. .195 - —
New York .....gal. .195 - —
Philadelphia .....gal. .20 - —
Pittsburgh .....gal. .10 - —
Solvent, partial aromatic, tanks, East Coast, N. J., N. Y., 205° 292°F. b.r., 37° 38°C. m.a.p .gal. .24 - .26
17°-29°C, m.a.p.....gal. .29 - .30
256°-383°F., b.r., 35°C., m.a.p., gal. .29 - —
27°-28°C. m.a.p.....gal. .29 - .29½
19°C. m.a.p .....gal. .34 - —
310°-392°F. b.r., 30°-38°C. m.a.p. gal. .27 - .30
17°-19°C., m.a.p .....gal. .35 - .38
350°-425°F. b.r., 32°-34°C. m.a.p .gal. .30 - .30½
25°C., m.a.p.....gal. .39 - .39½
18°-21°C., m.a.p.....gal. .35 - .42½

Petroleum solvent, rubber, tanks, Cal., ex tax, San Francisco. gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 .....gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y gal. .17 - —
Group 3 .....gal. .12375- —
Pennsylvania, western gal. .15 - —
tankwagon, Boston .....gal. .19 - —
Chicago .....gal. .289 - —
Cleveland .....gal. .22 - —
Los Angeles, ex tax ..gal. .173 - —
Newark .....gal. .18 - —
New York .....gal. .18 - —
Philadelphia .....gal. .185 - —
Pittsburgh .....gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works. lb. .16 - .18¼
l.c.l. works .. lb. .17 - .18½
tanks, works ..... lb. .14 - .16½
50-55% sulfonic content, non-ret. dms., works lb. .15½- —
l.c.l., works ..... lb. .16½- —
tanks, works ..... lb. .12½- —
o-Phenetidine, dms., works..... lb. 1.00 - —
p-Phenetidine, dms., works..... lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 4.00 - —
Phenobarbital-sodium, USP, dms., 100-lb lots lb. 4.00 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt alld E. of Rockies..lb. .15¾- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14 - —

Paraformaldehyde—m-Phenylenediamine

Phenol, 82-84% (cresol 16-18%), non-ret. drums, c.l., same basis, lb. .15¼ - —
l.c.l., same basis .....lb. .16 - —
tanks, same basis .....lb. .13½- —
39° or above, tar distilled, non-ret, dms., c.l., same basis .lb. .17¼- .17¾
l.c.l., same basis .....lb. .18 - .18½
tanks, same basis.....lb. .15½- —
USP, synthetic, dms., c.l., frt. alld lb. .17¾- —
l.c.l., same basis.....lb. .18½- —
tanks, same basis.....lb. .16 - —
Phenolphthalein, USP, or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots .....lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted lb. .53 - —
over 2,100 lbs., same basis lb. .55 - —
less than 2,100 lbs., same basis. lb. .57 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde solution, 50%, bots lb. 2.40 - 2.70
100%, bots .....lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works .....lb. 1.15 - 1.10
dl-Phenylalanine, dms., works ...lb.27.00 -37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E .....lb. 4.00 - —
Phenyldiethanolamine dms. c.l. dlvd E. lb. .40 - —
l.c.l. dlvd E lb. .41 - —
m-Phenylenediamine, dms., frt. alld. lb. .90 - —



Paint, Varnish and Shellac

Gasoline and Motor Oil (Additives)

Detergents

for a complete line of high quality petroleum chemicals

PETROLEUM

PARANOX
PARATONE
PARAFLOW
PARAPOID
PARADYNE
PARATAC
PETROHOL
Methyl Ethyl Ketone
Dewaxing Aid
Ethyl Ether
Isopropyl Ether
Reference Fuels

SURFACE COATING

PETROHOL 91
PETROHOL 95
PETROHOL 99
JAYSOL
Secondary Butyl Alcohol
Secondary Butyl Acetate
Isopropyl Acetate
Acetone
Methyl Ethyl Ketone
Dicyclopentadiene
Ethyl Ether
Isopropyl Ether
Naphthenic Acids
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol

CHEMICAL

PETROHOL 91
PETROHOL 95
PETROHOL 99
JAYSOL
Iso-Octyl Alcohol
Decyl Alcohol
Denatured Ethyl Alcohol
Tridecyl Alcohol
Dicyclopentadiene
Isoprene
Butadiene
Ethyl Ether
Isopropyl Ether
Tetrapropylene
Tripropylene
Aromatic Tars
Benzene
Acetone
Methyl Ethyl Ketone

For dependable products that win dependable customers... specify ENJAY

34 successful years of leadership in serving industry

Products that deliver dependable performance win steady, satisfied customers. And where performance counts, you can count on Enjay.

Enjay supplies a complete line of uniform, high quality petroleum chemicals to the surface coating, chemical and petroleum industries. You are assured proved results with every Enjay product. Backed by 34 years of research, experience and know-how, each is designed to meet industry's most precise specifications and characteristics.

But don't consider Enjay for your present chemical needs alone – Enjay is also ready to assist in developing new or improved products through chemistry. Present or future, be *sure* to specify Enjay.

ENJAY CO., INC. • 15 West 51st Street, New York 19, N. Y.

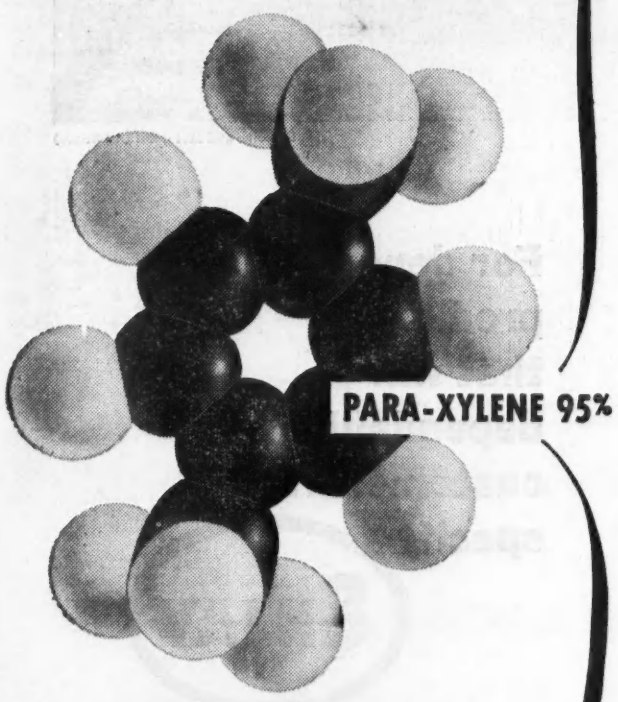
p-Phenylenediamine—n-Propyl Acetate

p-Phenylenediamine, redistilled, dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Phenylethanolamine, d m s., c.l., works lb. .69½- —
l.c.l. same basis lb. .70 - —
Phenylethyl acetate, bots lb. 1.35 - 1.95
b-Phenylethylamine, dms., works, 1,000-lb lots lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride commercial kgs., works lb. 1.75 - —
purified, bots., works lb. 5.17 - —
1-Phenyl-3-carbethoxy-pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.70 - —
smaller lots, dlvd lb. 2.00 - —
o-Phenylphenol, dms., works lb. .20 - —
p-Phenylphenol, bgs., c.l., works lb. .37½- —
l.c.l., works lb. .42 - —
Phloroglucinol, coml., fib dms., works lb 6.40 —
C.P., bots. fib dms lb 17.00 -17.25
tech. fib. dms works lb 10.45 - —
Phosphate defluorinated (see under Rock, Curacao, Atlantic ports, New Orleans ton.43.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 70-68%, b.p.l., c.l., same basis long-ton. 5.08 - —
72-70%, b.p.l., c.l., same basis long-ton. 5.68 - —
75%-74%, b.p.l., c.l., same basis long-ton. 6.68 - —
77%-78%, b.p.l., c.l., same basis long-ton. 7.68 - —
Phosphate Rock, Florida, finely ground, 65%, b.p.l., basis 30%, P_2O_5, minimum, bulk, c.l., mines, short-ton 5.60 - —
68%, b.p.l. basis $31\%P_2O_5$ minimum, mines short ton. 5.80 - —
70%, b.p.l. basis 32% P_2O_5 minimum, mines short-ton. 6.15½- —
Plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble 50c. per long ton higher.
Phosphorus, amorphous, red, cs lb. .46 - .47
dms. lb .44 - .45
yellow, cns., works lb. .48 - .50
dms., c.l., works lb. .40 - —
l.c.l., works lb. .43 - —
Oxychloride, dms., c.l., works lb. .14 - —
l.c.l., dms., works lb. .17 - —
tankcars, works lb. .12½- —
Pentasulfide, solid, dms., c.l., works lb. .11½- —
l.c.l., dms., works lb. .13 - .13½
Pentoxide, dms., c.l., works lb. .13½- —
l.c.l., works lb. .16½- —
Sesquisulfide, tins, cs., works lb. .29 - —
export, dms. lb. .31 - .36
Trichloride, dms., c.l., works lb. .14 - —
l.c.l., works lb. .17 - —
tankcars, works lb. .12½- —
Phthalic anhydride, bgs, c.l., works, frt. equald lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .19½- —
Phthalimide, 97%-98%, dms., works, frt. alld lb. .65 - .70
Phthalyl sulfacetamide, fib. dms lb. 5.00 - 5.50
a-Picoline, ref., dms., c.l., works, frt. equald lb. .43½- —
l.c.l., works, frt. equald lb. .44 - —
b,g-Picoline, 8°, dms., c.l., works, lb. .31 - .32½
l.c.l., works lb .32 - .33
g-Picoline, 98%, dms., c.l., works, lb. 2.65 - —
Pilocarpine hydrochloride, NF, bots oz. 5.25 - —
Nitrate, USP, bots., vials oz. 5.10 - 5.20
Pimento, Jamaican, bgs lb. .61 - .62
Mexican, bgs lb. .58 - .59
Pink root, bls lb. 3.00 - 3.25
d-Piperazine hexahydrate, French Codex, bots. kilo. 8.00 - 8.50
Piperidine 98%, dms., frt. equald.
Piperonyl butoxide, dms., dlvd. E lb. 4.50 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Pitch, coaltar, 140°-150° F., m.p., dms., c.l., works ton.41.20 -42.00
Cottonseed, raw, dms., works lb. .02¼- .03
Linseed, dms lb. .06 Nom.
Marine, dms. lb. .04¼- .05
Petroleum (see Asphalt, petroleum).
Soybean, dms., works lb. .05 Nom.
Tall, dms., works lb. .03¾- .04½
Plaster of Paris (see Gypsum).
Platinum metal, works oz.84.00 -87.00
Pleurisy root, bls lb. .45 - .50
Podophyllum resin, NF, dms lb. 8.75 - —
Poke root, bls lb. .19 - .22
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000-20,000-lb. lots, works lb. .43 - —
smaller lots, works lb. .46 - .48
tristearate, dms., 20,000-lb. lots, works lb. .41 - —
10,000 - 20,000 - lb. lots, works. lb. .43 - —
smaller lots, works lb. .46 - .48
Poppy seed, Argentine, bgs lb. .16 - .16¼
Dutch, bgs lb. .19¼- .19½
Polish, bgs lb. .18¼- .18½
Turkish, bgs lb. .16½- .17
Potash, caustic, regular, flake, 88-92%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works 100 lbs.10.20 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 4.25 - —
l.c.l., same basis 100 lbs. 5.05 - —
tanks, same basis 100 lbs. 3.70 - —
solid, 88-92%, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., same basis, works, 100 lbs. 9.75 - —
Potassium acetate, NF, dms lb. .31 - .36
Bicarbonate, USP, gran., dms lb. .22 - —
powd., dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .15 - —
l.c.l., works lb. .15½- —
Potassium bichromate in drums ½c. higher.
Bitartrate, NF, dom., gran. or powd., dms., c.l lb. .32 - —
bbls., 5,000 lbs. 1 ship't. lb. .32½- —
smaller lots lb. .33 - .36
imported, kgs lb. .24 - .25
Bromate, bbls., 1,000 lbs. or more, lb. .50 - .52
25-200-lb lots lb. .55 - .57
Bromide USP gran., bbls., kgs. lb. .34 - —
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 9.00 - —
l.c.l., same basis 100 lbs.10.05 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
USP gran., bbls., dms lb. .16½- .18
powd., bbls., dms lb. .21 - .23
Chlorate, cryst., dms., c.l., works lb. .10¼- —
l.c.l., works lb. .11½- .12
powd., dms., c.l., works lb. .10¾- —
l.c.l. works lb. .12 - 12½
export, dms., New York lb. .12¾- .13½
NF gran. dms lb. .32 - .33
Chloride USP, cryst., dms lb. .21 - .23
gran., dms lb. .15 - .17
powd. dms lb. .24 - .26
Chromate, tech., bgs lb. .50 - .50½
Citrate, USP, gran., dms lb. .41 - —
powder, dms lb. .40½- .41½
Cyanide, dms., 500-lb. lots or more, works lb. .55 - —
smaller lots, works lb. .57 - —
Dichromate (see Potassium bichromate).
Ferricyanide, kgs lb. .60 - .63
Ferrocyanide, dms., ton lots lb. .22½- —
smaller lots lb. .23 - —
kgs. lb. .28 - —
Fluoborate, fib. dms., c.l., works, lb. .30 - —
l.c.l., works lb. .31 - —
Fluoride, dms., works lb. .37 - .38
Gluconate dms lb. .75 - .79
Glycerophosphate, 75% solution cbys lb. 2.15 - 2.25
Guaiacolsulfonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech. (see Potash caustic).
USP, pellets 100-lb. dms. 1 to 100-dm. lots lb. .28½- .30
Hypophosphite, NF, fib. dms., ton lots or less lb. 1.00 - 1.03
Iodide, dms. lb. 2.15 - —
Manure salt 22% K_2O, bulk, mines unit-ton. .21 - —
Metabisulfite, gran., dms lb. .20 - .21
powd. dms lb. .25 - —
Muriate dom. 50-60% K_2O, bulk, Carlsbad, N M. unit-ton. .43 - —
Trona, Cal. unit-ton. .53 - —
50-51% K_2O paper bgs., Carlsbad, N M ton.25.75 - —
Nitrate, cryst., bbls., 10-ton lots, 100 lbs. 14.40 - —
smaller lots 100 lbs.14.65 -14.90
gran., bbls., 20-ton lots.100 lbs. 9.75 - —
smaller lots 100 lbs.11.10 -11.50
powd., bbls., 20-ton lots. 100 lbs.10.75 - —
smaller lots 100 lbs.12.00 -12.50
NF, gran., dms lb. .09¾- .11¼
Potassium nitrate in bags, 50c. per 100 lbs. less in kegs, $1 more.
Oxalate, neutral, tech., fine gran., bbls., dms lb. .30 - .32
Pentaborate, gran., bgs., c.l., works ton.180.00 - —
bbls., ton lots, ex whse ton.261.00 - —
smaller lots, ex whse ton.266.00 - —
Powdered Potassium pentoborate, $10.25 per ton higher.
Perchlorate, dms., c.l., works lb. .15 - —
l.c.l., works lb. .16½- —
Permanganate, tech., dms., works lb. .22½- .23¼
USP dms. works lb. .24¾- .30¼
Persulfate, dms., 5-ton lots, works, lb. .21½- —
1-ton lots, works lb. .23½- —
Phosphate, tetrabasic, bbls., works lb. .16½- .18½
Prussiate, red (see Potassium Ferricyanide), yellow (see Potassium Ferrocyanide).
Silicate, glass, bgs., c.l., works, 100 lbs.17.00 - —
l.c.l. 100 lbs.17.80 - —
solution, clarified, 29° Be, 1:2.0, dms., c.l., works 100 lbs. 5.80 - —
l.c.l., 5 dms., or more, works 100 lbs. 6.55 - —
tanks, works 100 lbs. 5.45 - —
tech., 29° Be, 1:2.5, dms., c.l., works 100 lbs. 5.35 - —
l.c.l., 5 dms. or more, works 100 lbs. 6.50 - —
tanks, works 100 lbs. 5.00 - —
40.5° Be., 1:2.0, dms., c.l., works 100 lbs. 6.45 - —
l.c.l., 5 dms. or more, works 100 lbs. 7.20 - 7.60
tanks, works 100 lbs. 6.10 - —
Silicofluoride, bbls., works lb. .09 - .10
Stannate, dms., frt. alld. E lb. .686 - .752
Sulfate, agricultural, 49-51%, K_2O, bulk, works ton.37.25 - —
NF VII cryst., dms lb. .31 - .33
gran., dms. lb. .18½- —
powder, dms. lb. .16½- .17
Sulfocyanide, NF, cryst., (see Potassium thiocyanate)
Thiocyanate, NF, cryst., dms lb. .85 - .94
tech., works lb. .77 - .79
Titanate, ctns., c.l., works lb. .14 - —
5-ton lots, works lb. .14½- —
1-ton lot or less, works lb. .14¾- —
Potassium-magnesium sulfate, bulk, works basis 40% K_2SO_4, 18% MgO ton.16.00 - —
Potassium-sodium tartrate, NF, gran., powd., dms., c.l. lb. .32½- —
5,000-lb. lots lb. .33 - —
smaller lots lb. .33½- .38½
Potassium-titanium fluoride, fib. dms., works lb. .39 - .40
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 - —
l.c.l., works lb. .52½- .55
Pregnenolone, bots gm. .60 - —
Acetate, bots gm. .55 - —
Progesterone, USP, bots., 100-gr. lots gm. .65 - —
Acetate, bots. gm. .70 - —
Procaine hydrochloride, USP, dms., frt. alld lb. 3.10 - 3.40
Propane, commercial grade tanks, group 3 gal. .03 - —
n-Propyl acetate, dms., c.l., dlvd lb. .12¾- —
l.c.l., dlvd. lb. .13¾- —
tanks, dlvd lb. .1075- —
Gallate, dms., 100 to 2,000-lb. lots, works lb. 3.90 - 4.40

Oronite
PARA-XYLENE 95%

has many potential uses in chemical synthesis

This important chemical may be oxidized to terephthalic acid, a new dibasic acid useful as a chemical intermediate and in the production of polyesters, polyamides, and other high polymers. Inquiries welcomed.



ORONITE CHEMICAL COMPANY

Chemical Synthesis Possibilities

Process	Product	Usage
Oxidation.	Terephthalic acid.	Formation of polyesters, polyamides, etc.
Oxidation.	Para-toluic acid.	Synthesis of dyes.
Oxidation.	Para-tolualdehyde.	Condensation with polyvinyl alcohol for adhesive resin.
Oxidation.	2, 5-Dimethyl-hydroquinone.	Stabilizing agent.
Oxidation.	Terephthalal-dehyde.	Resins by condensation with diamines or sodium acetate.
Oxidation and chlorination.	Tetrachloro-terephthalic acid.	Flameproof textiles.
Oxidation and chlorination.	Tetrachloro-para-toluic acid.	Alkyd resin modifier.
Chlorination.	Tetrachloro-para-xylene.	Dielectric, heat transfer medium.
Chlorination and hydrolysis.	Para-xylyl alcohol.	For xylyl phosphate. Waterproofing agent. Cellulose ethers.
Chlorination hot or in ultra violet light.	Para-xylyl chloride.	Lachrymatory.
Dichlorination at boiling or in ultra violet light.	Para-xylylene chloride.	Synthesis.
Chlorination and hydrolysis.	Para-xylylene glycol.	Modification urea - formaldehyde resins.
Chlorination in dark with iodine or iron as catalyst.	2-Chloro-para-xylene and 2, 5-Dichloro-para-xylene.	Solvent and/or intermediate.
Chlorsulfonation and reaction with ammonia.	Para-xylene 2-sulfonamide.	Aldehyde resins. Cellulose acetate solvent.
Nitration.	2-Nitro-para-xylene.	Solvent.
Nitration and reduction.	Para-xylidine.	Dyestuffs.
Dinitration.	2, 6-Dinitro-para-xylene.	Dye synthesis.
Sulfonation.	Para-xylene 2-sulfonic acid.	Intermediate.
Sulfonation.	Para-xylene 2, 5-disulfonic acid.	Dyestuffs.
Sulfonation and caustic fusion.	Para-xylenol (2, 5-xylenol).	Making dimethyladipic acid, antiseptics.
Acetylation in presence $AlCl_3$	2-Para-xylyl-methyl ketone.	Perfume bases. Pharmaceuticals.
Ethylation and dehydrogenation.	Vinyl para-xylene.	Molding compounds. Synthetic rubbers.

ORONITE CHEMICAL COMPANY
38 Sansome Street, San Francisco 4, California
30 Rockefeller Plaza, New York 20, New York
600 South Michigan Avenue, Chicago 5, Illinois
714 West Olympic Boulevard, Los Angeles 15, California
Mercantile Securities Building, Dallas 1, Texas

Propyl p-hydroxybenzoate, USP, dms. lb. 2.30 - 2.40
Thiouracil, bots., 50-kilo lots or more kilo. 55.00 —
smaller lots kilo. 55 10 -55 30
Propylene dichloride, dms., c.l., dlvd E. lb. .0845- 095
l.c.l. same basis lb. .0950- 1050
Glycol, industrial, dms., c.l., dlvd. E lb. .13¼- —
l.c.l., same basis lb. .14¼- —
tanks, same basis lb. .11½- —
USP, dms., c.l., dlvd. E lb. .15¼- —
l.c.l., same basis lb. .16¼- —
tanks, same basis lb. .13½- —
Methyl ether, dms., c.l., dlvd. E. lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18½- —
Oxide, dms., c.l., dlvd. E lb. .15½- —
l.c.l., dlvd. E lb. .16½- —
tanks, dlvd. E lb. .13½- —
Psyllium seed, black, bgs lb. .80 —
blonde, bgs. lb. .18 - .20
husks, bgs. lb. .45 - .50
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots lb. .02⅝ 04¼
smaller lots lb 0.3⅞ 04½
imported, Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, ogs. ton lots lb. 04 —
sun dried coarse bgs ton lots lb. 02½ 04
fine, ogs., ton lots lb. 02½ 04
Pumice in bbls is ½c per lb higher
Pumpkin seed, bgs lb. .25 .26
Pyrethrin synthetic (see Allethrin).
Pyrethrum flowers, fine grd. 0.9% pyrethrins bbls works lb. .50 —
powder 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100cc. odorless base, 50 dms., works gal. 8.35 - —
1-4 dms., works gal. 8.55 - —
Oleoresin, dewaxed, 20%, dms., works lb. 9.80 -10.15
purified, 20% lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret. dms., l.c.l., same basis lb. .95 - —
Pyridoxine hydrochloride, bots., 100-gm. lots gm. .55 —
Pyrites, Canadian, works long-ton. 3.00 6.00
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 3.43
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works lb. .12 - —
mixed, mottled, dms., works lb. .13 - —
shavings, amber, cs., works lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works. lb. .12 - .15
translucent pastels, cs., works lb. .14 - —
transparent colorless, dms, works. lb. .25 - —
colors, dms., works lb. .15 - —
USP, bots lb. 9.50 - —

Q

Quassia chips lb. .17 - —
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., tanks, works lb. .08¼- —
solid, 64% tannin, bgs., c.l., exdock, duty extra lb. .12½- —
ordinary 63% tannin, ogs., c.l same basis lb. 11 31 64 —
Quercitron extract, crystals, No. 1, bbls., l.c.l. lb. .40 - —
liquid, No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots. oz. 1.17 - —
Sulfate, USP, cns., 100-oz. lots. oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots oz. .37½- —
Dihydrochloride USP cns oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide NF cns. 50-oz. cns. oz. .47½- —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½- —
Phosphate NF, cns. 100-oz. lots. oz. .61 - —
Salicylate NF, cns., 100-oz. lots. oz. .55 - —
Sulfate, USP, cns., 100-oz. lots. oz. .42 - —
Quinine and Urea hydrochloride NF, cns oz. .56 - —
Quinolin, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

R salt, paste, 100% basis, dms., frt alld lb. .83 - —
powd., basis 100% frt alld lb. .88 - .93
Red, BON acid maroons, pure, bbls. lb. 1.75 - —
resinated, bbls lb 1.50 - —
arylid, deep shades, bbls lb 3.60 - —
light shades, bbls lb 2.75 - —
maroon bbls lb 3.60 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade same basis lb 4.00 - —
medium shade, bbls., same basis lb 4.25 - —
medium light shade, bbls., same basis lb 4.05 - —
orange shade, bbls., same basis lb. 3.95 - —
lithopone, deep shade, bbls., same basis lb. 1.93 - —
light shade, bbls. same basis. lb. 1.70 - —
maroon shade, bbls. same basis lb. 2.05 - —
medium shade, bbls. same basis lb. 1.85 - —
medium-light shade, bbls., orange-red shade, bbls, same basis lb. 1.64 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb higher; all prices are 1c per lb higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
same basis lb. 1.77 - —
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N Y lb. .12¾- —
Iron oxide, natural, 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O., Easton, Pa., East St. Louis lb. .08 - —
synthetic, 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 - —
Red, lake C toner, alizarin, bbls., works lb 1.10 1.20
Lithol, toner, bbls., works lb. .79 - —
rubine toner, pure, bbls., works lb 1.50 - —
resinated bbls., works lb 1.40 - —
Virginia-type bbls works lb 1.40 - —
Maroon toner, MNPT, kgs., works. lb. 3.60 - —
10,000-lb lots, works lb 4.22 - —
smaller lots, works lb 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l works lb. .02¾- —
Oxide (see Red iron oxide).
Persian gulf bgs c.l. works lb .06¾- —
l.c.l., works lb. .07 - —
Para toner, bbls lb .95 —
Chlorinated kgs lb 1.10 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb 5.35 - —
tungstated, PTMA, works, kegs. lb. 5.95 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse, New York lb 06½- —
Toluidine toner, deep shades, kgs., works lb 1.50 - —
light shades, kgs., works lb 1.50 - —
Turkey, bbls., works lb. .60 - —
Tuscan, bbls., frt. equald lb. .24½ .25
Venetian, 15%, bgs., works lb. .0350- .037
20%, bgs., works lb. .0475- —
25%, bgs., works lb. .0525- —
30%, bgs., works lb. .0550- —
35%, bgs., works lb. .0575- —
40%, bgs., works lb. .0625- —
Watchung type, bbls. lb 1.95 —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF powd. bbls lb. .35 - .40
Rennin, NF, powder lb. 6.25 - —
Resorcinol, tech. grade, dms., c.l., works lb. .77½- —
l.c.l., works lb. .78½- —
USP, cryst. dms., works lb 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate NF dms. lb 3.25 3.45
Rhatany root, bgs lb. .15 .16
Rhodinol, 5-lb cans lb. 25.00 -56 00
Rhubarb root, China, whole, cs lb. .75 - .85
powd., bbls. lb. .90 - .95
India, whole bgs lb. .35 - .40
powdered, bbls. lb. .43 - .45
Riboflavin USP bots., dlvd kilo 100.00 —
readily soluble, bots., dlvd kilo. 130.00 - —
5'-phosphate-sodium, 100 grams or more kilo. 140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin, gum and wood (see Naval Stores Protective Coatings market)
Rotenone, CP, bbls., works lb. 20.00 - —
tech bbls works lb 16 50 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03 - —
ton lots same basis lb. .04 - —
Rutin, NF, fib. dms. 25-kilo lots, kilo. 25.00 - —
10 to 25-kilo lots kilo. 25.00 -30.00
1 to 10-kilo lots kilo. 30.00 - —
Ryania, 100%, powd., bgs., works, c.l. lb. .22 - —
l.c.l., same basis lb. .24 - —

S

Sabadilla seed, powd., bbls lb. 49 49¼
activated ground with lime, bbls lb. 35 .36
Saccharin, USP, gran., soluble, dms., 1000 lb lots lb 1 60 —
smaller lots lb 1 70 1 80
powd. soluble insoluble dms. 1000 lb lots lb 1 65 —
smaller lots lb 1 75 1 95
Saffron, Spanish, USP, tins lb. 25 00 —
Safrol, dms. lb 1.15 - 1.50
Sage, Cretan, bgs. lb. .11 —
Dalmatian, bgs. lb. .39 .40
Italian, bgs. lb. .15 - .15¼
Sago flour, raw, bgs lb. .07 - .07½
refined bgs. lb. .08¾- .09¼
Sal soda (see Soda sal)
Salol, NF, gran., bbls., kgs lb. 1.10 - —
Powdered salol, 25c. higher.
Salt, rock, paper bgs. c.l 100 lbs. .98 —
Table, vacuum, common fine, paper bgs c.l 100 lbs 1.12 —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 19.00 -20.00
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips bgs. .65 .66
powd., dms lb. .75 .76
Sanguinarine nitrate, bots oz 4.75 5.50
Santonin, NF, dom. cryst. powd. cns., dms lb. 76.50 -80.00
imported cryst. powd. cns lb 76.50 80 00
Sarsaparilla root, dom bls lb 45 50
imported, Honduras, bls lb. .45 Nom.
Mexican, bls lb. .35 Nom.

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Potassium Carbonate • Chlorine
Sodium Nitrite • Ammonium Chloride
Ammonium Bicarbonate • Cleaning Compounds • Snowflake® Crystals
Calcium Chloride • Para-dichlorobenzene
Ortho-dichlorobenzene • Monochlorobenzene

Sassafras Root Bark—Sodium Para-aminosalicylate

Sassafras root bark, ord., bls ... lb. .50 - .55
select, bls. ... lb. .65 - .67
Schaeffer's salt, paste dms., frt. alld., 100% basis lb. .85 - .95
powder, bgs., frt. alld ... lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 12.25 - 12.50
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½ - —
smaller lots ... lb 31 .32
Selenium, powd., dms., dlvd.... lb. 5.00 - 6.00
Senega root, bls ... lb. 2.30 2.40
Senna leaves, Alex., whole and half, bls lb. .19 - —
siftings ... lb. .17 - —
Tinnevelly, No. 1, bls ... lb. .16 - .18
No. 2, bls. ... lb. .13 - .15
No. 3, bls. ... lb. .11 - .13
powdered, bbls., bxs ... lb. .18 - —
pods, bls. ... lb. .14 - —
Serpentaria root, bls ... lb 4.85 5.00
Sesame seed, Nicaragua, hulled, ship't, bgs lb. .28 - .29
natural, bgs. ... lb. .18 - —
Salvadorian, natural ... lb. .18 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .47 - —
bbls., 1,500-lb. lots ... lb. .48 - —
kgs., 1,500-lb. lots ... lb. .50 - —
refined, bgs., 1,500-lb. lots.. lb. .57 - —
bbls., 1,500-lb. lots ... lb. .58 - —
kgs., 1,500-lb. lots ... lb. .60 - —

Bonedry shellac prices for less than 1,500-lb lots, 1c per lb higher (or all packages.

Lemon, No. 1, bgs., 10-bg. lots, lb. .37½ - —
No. 2, bgs., 10-bg. lots ... lb. .35½ - —
Shellac, superfine, bgs., 10-bg. lots lb. .34½ - —
TN, bgs., 10-bg. lots ... lb. .33 - —

Shellac in 1 to 9 bg. lots, 1c more

Shingle stain oil (see Oil, shingle stain).
Silica, amorph., dry grd., 325 mesh bgs., c.l., works ton 25.00 - —
l.c.l., works ton 30.00 - 40.00
hard-quartz, 99½, 325 mesh, bgs., c.l., works ton 20.00 - —
l.c.l., works ton 25.00 - 30.00
140 mesh bgs., c.l., works ton 15.00 - —
l.c.l., works ... ton 20.00 - —
Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works ... lb. .20 - .28½
Silver bullion, ingots, cs ... lb. .85¼ - —
Cyanide 6lb dms., 2,500-oz. lots oz. .77½ - —
1,000-oz. lots ... oz. .77¾ - —
500-oz. lots ... oz. .77⅞ - —
100-oz. lots ... oz. .78½ - —
Nitrate, CP, crystals, bots., 2,500-oz. lots oz. .54¾ - —
1,000-oz. lots ... oz. .55 - —
500-oz. lots ... oz. .56½ - —
250-oz. lots ... oz. .57 - —

USP granular silver nitrate, 4c. per oz. higher

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —
Soapbark, whole, bls. ... lb. .28 - .30
crushed, bls., bbls. ... lb. .32 - .33
powd., bbls ... lb. .35 - .37
Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., stock points 100 lbs. 2.85 - 4.62
bbls., c.l., works ... 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works ... 100 lbs. 1.45 - —
light, 58% paper bgs., c.l., works 100 lbs. 1.65 - —
l.c.l. stock points 100 lbs. 2.75 - 4.52
bbls., c.l., works ... 100 lbs. 2.20 - —
l.c.l. stock points 100 lbs. 3.25 - 5.02
bulk, c.l., works 100 lbs. 1.35 - —
Soda, caustic, flake, powd., 76%, dms., c.l., works, frt. equald. 100 lbs 4.10 - —
l.c.l., stock points 100 lbs. 5.30 - —
liquid, 50%, sellers' tanks, works, dry basis 100 lbs. 2.55 - —
rayon-type tanks works, dry basis 100 lbs 2.65 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.65 - —
rayon type, tanks, works, dry basis 100 lbs 2.75 - —
solid, 76%, dms., c.l., works, 100 lbs. 3.70 - —
l.c.l., stock points 100 lbs. 4.90 - —
Sal, bgs. c.l., works .... 100 lbs 1.40 - —
l.c.l. works .... 100 lbs. 1.70 - —
Sodium acetate, anhyd., bgs., c.l., works lb. .12 - —
dms., l.c.l., works ... lb. .12¾ - —
NF, gran., dms., works ... lb. .12½ - .16½
Alginate, NF, white powd., dms., ton lots, works ... lb. .87 - 1.30
refined, bbls., works ... lb. .83 - —
p-Aminobenzoate, dms., 1,000 lb. lots or more ... lb. 2.40 - —
smaller lots ... lb. 2.45 - 2.50
p-Aminosalicylate, dms., 1,000 lb. lots or more, frt. adjusted. lb. 3.75 - —
smaller lots, same basis .. lb. 3.80 - 4.25
Sodium antimoniate, bbls., c.l., dlvd., E lb. .26½ - —
l.c.l., dlvd. E ... lb. .28 - —
Arsenate, dms., c.l., works ... lb. .12½ - —
l.c.l. dms. works ... lb. .13¾ - .14¾
Arsenite, dms., c.l., works ... lb. .13½ - —
l.c.l. dms works ... lb. .14¼ 15¼
solution, dms., works ... gal. .70 1.10
Ascorbate, dms., 25-50 kilo lots kilo. 21.00 - —
10-kilo lots ... kilo. 21.35 - —
5-kilo lots ... kilo. 21.75 - —
1-kilo lots ... kilo. 22.00 - —
500-gram lots, bots ... kilo. 22.50 - —
Benzoate, tech., bbls., dms., 100-lb. lots or more lb. .39 - —
USP, bbls., dms. 100-lb lots or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs 3.70 - —
powd., bgs., c.l., works 100 lbs 2.30 - —
l.c.l., works 100 lbs 3.30 - —
Bichromate, bgs., c.l., works lb. .11½ - —
l.c.l., works ... lb. .12 - .13¼
Bifluoride, bbls., c.l., works, frt. equald lb. .17½ - —
l.c.l., same basis ... lb. .1790 - —
Bisulfate, bulk, c.l., works, 100 lbs. 2.00 - —
dms., c.l., works ... 100 lbs. 2.65 - 3.85
l.c.l., works ... 100 lbs 3.05 3.65
Bisulfite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
l.c.l., works ... 100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works, 100 lbs 1.40 - —
l.c.l., works ... 100 lbs 1.80 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, dms. frs. lb 8.53 - —
Carbonate, anhydrous (see Soda ash), crystalline, decanydrated (see Soda sal), monohydrated bgs., c.l., works 100 lbs. 2.90 - —
l.c.l., works ... 100lbs 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works, lb. .08¾ - .—
l.c.l., works ... lb. .10¼ - .11
Chloride, tech. (see Salt), USP, dms. ... lb. .66 - .72
Chlorite, tech., dms., works lb. .58 - .79
Chloroacetate, tech., dms., c.l., works lb. .24 - —
l.c.l., works lb. .25 .28
Chromate, dms., c.l., works ... lb. .13¼ - —
l.c.l., same basis ... lb. .13¾ - .15
Citrate, anhyd., dms ... lb. .60 - .65
NF VIII, gran, dms ... lb. .26 - .30½
USP XIV gran., dms. ... lb. .29½ - .34

Sodium citrate USP powd. prices ½c. higher.

Cyanate, dms., 1,000-lb. lots, works lb. .85 1.10
smaller lots, works lb. 1.00 1.25
Cyanide flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .178 - —
over 1,000-lb. lots ... lb. .188 - —
100-lb. to 1,000-lb. lots lb. .196 - —

Granular sodium cyanide 1c higher.

Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l. ... lb. .14¾ - —
anhydrous, dms., c.l., works lb. .17 - —
l.c.l. lb 17¾ - —
Dichromate (see Sodium bichromate).
Ferrocyanide, bgs., 10 ton lots.. lb. .13½ - —
smaller lots ... lb. .14 - —
Fluoride, white, 97%, bbls., c.l., works lb. .1250 - —
l.c.l., works ... lb. .1280 - —
Formate, bgs., c.l., dlvd. E.. 100 lbs. 7.60 - —
l.c.l., works ... 100 lbs. 8.65 - —
Gentisate, 100-lb fib dms.... lb 8.50 - —
Gluconate, refined, dms ... lb. .80 - .83
tech., dms ... lb. .35 - —
Glutamate, mono-, dms., c.l.... lb. 1.55 - —
Glycerophosphate, NF, cryst., bbls lb. 2.10 - 2.23
powder, bbls ... lb. 2.15 - 2.30
solution, 75%, cbys ... lb. 1.45 - 1.60
Hydride, dms., works ... lb. 2.00 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, dms., c.l., frt. alld. lb. .23 - —
alld. lb. .23 - —
l.c.l., frt. alld. ... lb. .23½ - —
Hydroxide, tech. (see Soda caustic).
NF, pellets, 100-lb dms., 1 to 100-dm. lots lb. .18½ - .23
Hypophosphite, NF, dms., ton-lots, or less lb. .95 - .96
Hyposulfite, NF (see Sodium thiosulfate).
pea crystals, bgs ... 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works, 100 lbs. 4.50 - 4.75
l.c.l., works ... 100 lbs. 5.00 - 5.05
technical, bgs., works.. 100 lbs. 4.50 - —
l.c.l., works ... 100 lbs. 4.90 - 6.90

Sodium hyposulfite crystals in bbls., 50c. higher.

Iodide, USP, bots., dms .... lb. 2.80 - 2.93
Lactate, edible, 50%, dms., cbys., works lb. .21½ - —
60% dms. cbys., works lb. .26½ - —
tech., 50%, dms., cbys., works, lb. .16¼ - —
Lauryl sulfate, dms., c.l., dlvd. lb. .22 - —
l.c.l., dlvd. ... lb. .23 - —
tanks, dlvd. ... lb. .20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton 78.50 - —
l.c.l., ex whse ... ton 124.50 - 129.50

Sodium metaborate, octanydrate in bbls., $24.50 per ton higher.

Tetrahydrate, c.l., bbls., works, ton 199.50 - —
Metallic, bricks, bbls., works lb. .17 - .19
tanks, works ... lb. .16 - —
Metanilate, bbls., frt. alld ... lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works.. 100 lbs. 4.85 - —
l.c.l., works ... 100 lbs. 5.20 - 7.10
dms., c.l. ... 100 lbs. 5.25 - —
l.c.l. ... 100 lbs. 5.60 - 6.00
Molybdate, bbls., cbys., works lb. .75 - .85
powd., anhyd., dms., works.. lb. .85 - .92
Monohydrate (see Sodium carbonate, monohydrated).
Naphthenate, bbls. ... lb. .70 - —
Nitrate, crude, dom., bgs., c.l., works.. ton 47.00 - —
bulk, c.l., works ... ton 43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ... ton 53.00 - —
bulk, c.l., same basis ton 49.50 - —
Nitrite, USP, bbls., c.l., works, frt. equald lb. .0775 - —
l.c.l., same basis ... lb. .0925 - .13
Orthosilicate, conc., dms., c.l., works.. 100 lbs. 6.00 - —
l.c.l., works ... 100 lbs. 6.35 - 6.75
hydrated, flake, bbls., c.l., works 100 lbs 4.75 - —
l.c.l., works ... 100 lbs. 5.50 - —
Oxalate, 68%, bgs., works.. 100 lbs. 10.85 - —
Para-aminobenzoate (see Sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).

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the economical detergent silicate

Sixty pounds of DRYMET—*anhydrous* sodium metasilicate—will do the same amount of work as one hundred pounds of pentahydrate sodium metasilicate! You get approximately two thirds more chemical value in DRYMET, yet the price is less than one fourth higher at the producing factory!

DRYMET contains no water of crystalization. DRYMET is more economical to use on the basis of Na_2O (alkalinity) and SiO_2 (silicate) than *any other* type of anhydrous or hydrated detergent silicate.

Send for DRYMET File Folder containing complete technical information.

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If you are compounding with detergent silicates, investigate DRYMET for higher concentrations and longer mileage in such products as:

1. Floor Cleaners
2. Laundry Products
3. Metal Cleaners
4. Dairy Cleaners
5. Dishwashing Compounds
6. General Purpose Cleaners
7. Soap Builders
8. Paint Cleaners
9. Paper De-inking Compounds

If you are using detergent silicates directly in your operations, investigate DRYMET for:

1. Reductions in product costs
2. Reductions in freight costs
3. Reductions in storage costs
4. Reductions in handling costs
5. Reductions in labor costs

*Reg. U. S. Pat. Off.

CHEMICAL PROGRESS WEEK-MAY 9-15

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Service offers you a wealth of experience with problems of formulation

Few product groups have presented more formulation problems than the vitamins.

The Merck Service Staff has a collective experience of more than 500 man-years in coping with the technical problems of new product development. Furthermore, because of Merck dominance in vitamin research, our Service Staff is promptly acquainted with new findings and their commercial applications.

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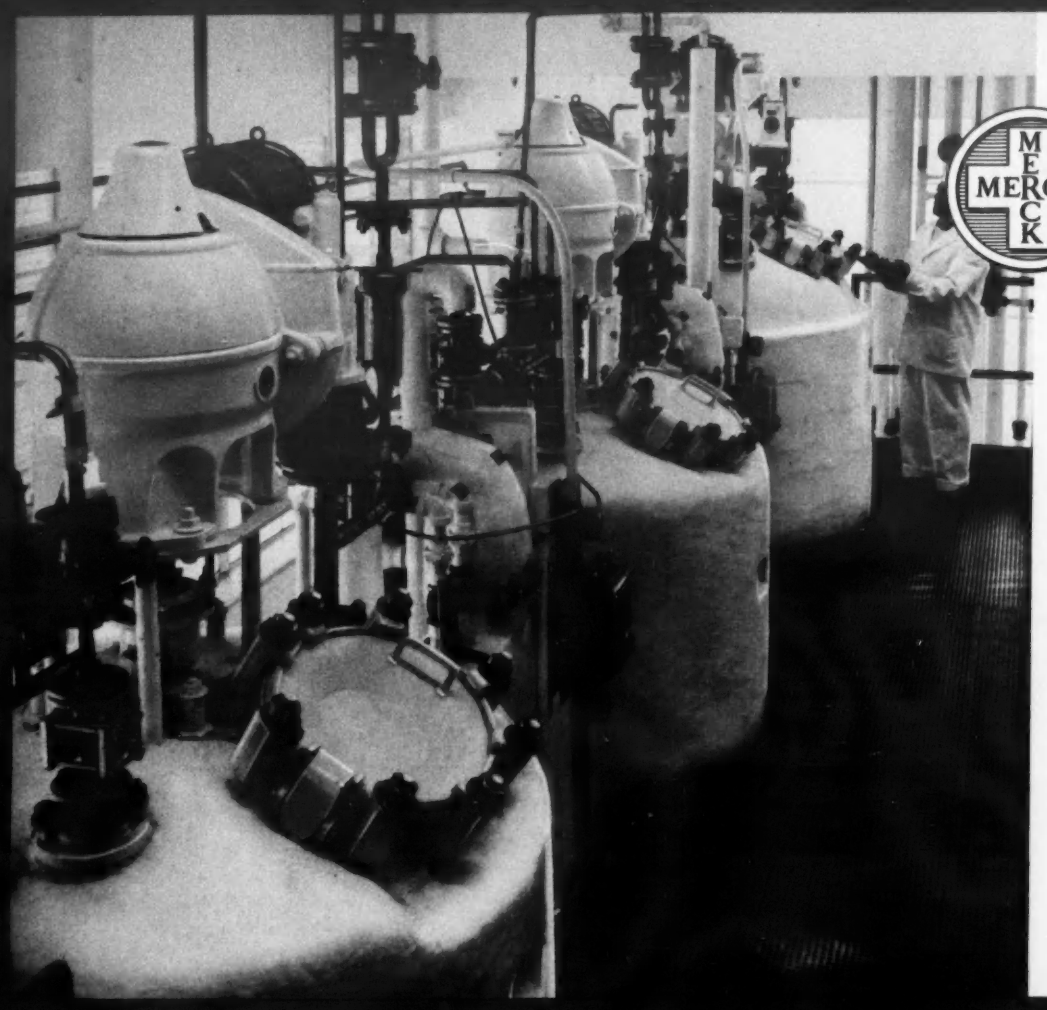

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Producing the most extensive line of vitamins in the nation, Merck has the capacity to meet your specific requirements. As a single example, Merck customers may select from five different forms of Ascorbic Acid the one best suited to their needs.

As a result of large productive capacity and diversity of line, Merck customers obtain the quantities they want, in the types they need, when they need them. Swift, reliable delivery is available from strategically located warehouses.

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Research brings you the benefit of important discoveries

During the last two decades, Merck Research pioneered syntheses and contributed other important advances which hastened commercial availability of ascorbic acid, thiamine, riboflavin, niacin, alpha tocopherol, pyridoxine, calciumr pantothenate, vitamin K_1, vitamin B_{12}, and other vitamins.

Year in and year out, the continuous Merck Research program also helps lower the cost of vitamins and other fine chemicals. If you are interested in developing formulations, or improving your product in order to expand present markets, look *first* to Merck.

Research and Production for the Nation's Health

MERCK

MERCK & CO., INC.

Manufacturing Chemists

RAHWAY, NEW JERSEY

Sodium pentachlorophenate, briquets, bgs., c.l., works, frt. equald . . lb. .25½ - —
l.c.l., same basis . . lb. .26½ - .28¼
pellets, bgs., c.l., same basis . . lb. .25 - —
l.c.l., same basis . . lb. .26 - .28
powdered, bgs., c.l., same basis. lb. .24 - —
l.c.l. same basis . . lb. .25 - .27
Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over carlot prices.
Pentahydrate, bgs., c.l., works . 100 lbs. 4.00 - —
l.c.l., bgs., works . . 100 lbs. 4.35 - 4.55
dms., c.l., works . . 100 lbs. 4.80 - —
l.c.l., works . . 100 lbs. 5.15 - 5.65
Perborate, USP, tech., bbls., c.l., works . . lb. .193 - —
l.c.l., works . . lb. 198 - —
Peroxide, dms., c.l., dlvd. E. of Miss . . lb. .1880 - —
l.c.l., same basis . . lb. .1910 - .2010
Phenolsulfonate, USP IX, gran., dms . . lb. .44 - .45
powd., dms . . lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt., equald . . 100 lbs. 7.45 - —
l.c.l., works . . 100 lbs. 7.85 - —
USP, dried powd., bgs., dms., works . . lb. .19 - .20½
duohydrate, bgs., c.l., frt. equald . . 100 lbs. 7.05 - —
l.c.l., frt. equald . . 100 lbs. 7.25 - —
monobasic, anhyd., bgs., c.l., frt. equald . . 100 lbs. 8.45 - —
l.c.l., frt. equald . . 100 lbs. 8.90 - —
tribasic, cryst., bgs., c.l., frt. equald . . 100 lbs. 4.20 - —
l.c.l., frt. equald . . 100 lbs. 4.60 - —
Sodium phosphates in dms. 60c higher than bgs.
Prussiate, yellow (see Sodium ferrocyanide).
Pyrophosphate, acid, bgs., c.l., works, frt. equald . . 100 lbs. 10.75 - —
ferric, dms., 1,500-lb. lots, works. lb. .31 - —
smaller lots, works . . lb. .32 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald . . 100 lbs. 7.90 - —
l.c.l., frt. equald . . 100 lbs. 8.10 - —
Salicylate, USP, dms . . lb. .68 - —
Sesquicarbonate, bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l., dlvd., zone 1 . . 100 lbs. 3.85 - 4.10
zone 2 . . 100 lbs. 4.10 - 4.35
zone 3 . . 100 lbs. 4.40 - 4.65
zone 4 . . 100 lbs. 5.10 - 5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb. W. of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls, excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, hydrated, bgs., c.l., works . . 100 lbs. 4.50 - —
l.c.l., works . . 100 lbs. 4.85 - 6.75
dms., c.l., works . . 100 lbs. 4.90 - —
l.c.l., works . . 100 lbs. 5.25 - 5.65
Silicate liquid, 40° 1:3.2, turbid, dms., c.l., works . . 100 lbs. 1.35 - —
l.c.l., works . . 100 lbs. 1.70 - 2.30
tanks, works . . 100 lbs. 1.00 - —
47°, turbid, 1:2.9, dms., c.l., works . . 100 lbs. 1.93 - —
l.c.l., dms., works. 100 lbs. 2.55 - 2.80
tanks, works . . 100 lbs. 1.60 - —
52°, turbid, 1:2.3, dms., c.l., works . . 100 lbs. 2.30 - —
l.c.l., works . . 100 lbs. 2.65 - 3.05
tanks, works . . 100 lbs. 1.95 - —
solid, 1:3.2, bgs. works . . ton 57.50 - —
Silicofluoride, bgs., c.l., works . . lb. .07 - —
l.c.l., works . . lb. .07 - .08
Sodium silicofluoride in dms., 4-10c. higher
Stannate dms., works, frt. alld. E . . lb. .533 - .607
Sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works . . lb. .22 - —
Sulfate, NF, VII, dried, powd., dms . . lb. .22½ - —
tech., anhyd., bgs., c.l., works, frt. alld. to $10. 100 lbs. 2.35 - —
l.c.l., works same basis 100 lbs. 2.50 - 3.00
rayon grade, bgs., c.l., works. ton. 29.00 - —
l.c.l., works . . ton. 35.00 - —
USP, cryst. fib. dms . . lb. .17½ - .18
gran. fib. dms . . lb. .17½ - .18
Sulfide, flake, dms., c.l., works, E., frt. equald . . lb. .05¼ - —
l.c.l., same basis . . lb. .05¾ - —
fused, bbls., c.l., works, E., frt. equald . . lb. .04¾ - —
l.c.l., same basis . . lb. .05¼ - —
Sulfite, anhyd., bgs., c.l., works. 100 lbs. 3.00 - —
l.c.l., same basis . . 100 lbs. 3.50 - —
powder bbls. c.l., works 100 lbs. 7.25 - —
l.c.l., works . . 100 lbs. 7.50 - —
Sulfocyanide, CP, (see Sodium thiocyanate).
Sulfhydrate, flake, 70-72%, dms., c.l., works . . lb. .06½ - —
l.c.l., works . . lb. .07 - —
liquid, 40-44%, tanks, works. 100% basis . . ton. 110.00 - —
Tetraborate (see Borax.)
Tetrasulfide, liquid, 40%, dms., c.l., works . . lb. .03½ - —
l.c.l., works . . lb. .04 - —
Thiocyanate, CP, dms. . . . . lb. .55 - .65
tech., dms., works . . . . . lb. .377 - —
Thiosulfate, NF, cryst., bbls . . lb. .12½ - —
tech (see Sodium hyposulphite).
Titanate ctns. c.l. works . . lb. 10½ - —
5-ton lots, works . . lb. .10¾ - —
1 ton or less, works . . lb. .11 - —
Trichloroacetate, 90% 100-lb. dms., c.l., frt. alld., E . . lb. .37½ - —
l.c.l., frt. adjusted, E . . lb. .39½ - —
50-lb. dms., c.l., frt. alld. E . . lb. .38 - —
l.c.l. frt. adjusted, E . . lb. .40 - —
90%, 10-lb. cns., c.l., frt. alld., E . . lb. .44 - —
l.c.l., frt. adjusted, E . . lb. .46 - —

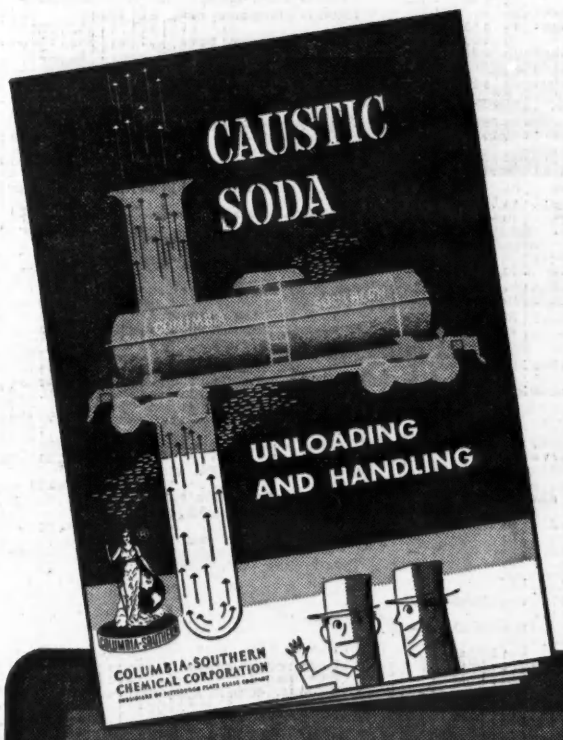
Prices on Sodium trichloroacetate West of the Rockies are 1¾c. per pound higher.

Tripolyphosphate, bgs., c.l., works, frt. equald . . 100 lbs. 8.05 - 8.25
l.c.l., same basis . . 100 lbs. 8.30 - 8.45
Trisilicate, powd., 1:32.2, bgs., c.l., works . . 100 lbs. 8.55 - —
l.c.l., works . . 100 lbs. 9.40 - 12.80
dms., c.l., works . . 100 lbs. 9.05 - —
l.c.l., works . . 100 lbs. 9.80 - 10.25
Tungstate, tech., kgs., dlvd. E . . lb. 1.80 - —

Sodium ammonium phosphate, bbls., works frt. equald . . lb. .33 - —
Sodium-carboxymethyl cellulose (see CMC).
Sodium-cinchophen (see Cinchophen sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd. . . lb. .22 - —
l.c.l., same basis . . lb. .22½ - —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb lots or more works . . lb. .28 - —
smaller lots, same basis . . lb. .30 - —
Solvent naphtha, coaltar, refined, tanks, works . . gal. .31 - .32
high-flash, tanks, works . . gal. .31 - .32
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works . . lb. .32 - —
10,000 to 20,000-lb. lots, works. lb. .34 - —
smaller lots works . . lb. .37 - .39
Sorbitan tristearate, fib., dms., 20,000-lb. lots, works . . lb. .33 - —
10,000 to 20,000-lb. lots, works. lb. .35 - —
smaller lots works . . lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works . . lb. .30 - —
1 to 5-ton lots, works . . lb. .32 - .33
powd., dms., 1 to 5-ton lots, works . . lb. .38 - .39
solution commercial, aqueous, dms., c.l., works . . lb. .24½ - —
ton lots works . . lb. .25 - —
smaller lots, works . . lb. .25¼ - —
tanks, works . . lb. .23¼ - —
regular, 70%, aqueous, dms., c.l., works . . lb. .16 - —
ton lots works . . lb. .16¾ - —
smaller lots, works . . lb. .17 - —
tanks, works . . lb. .15 - —

Soybean meal, 44% bulk, Decatur. ton. 104.00 - —
protein, chemically isolated, 40,000 to 60,000-lb. lots, dlvd. lb. .28 - —
20,000 to 40,000-lb. lots, same basis . . lb. .25¼ - —
100 to 20,000-lb. lots, same basis . . lb. .25½ - —
mechanically refined, bgs., 40,000-lb. lots, same basis . . lb. .0605 - —
20,000-lb. lots, same basis. lb. .0620 - —
smaller lots, same basis. lb. .0635 - —
Sparteine sulfate, cns . . oz. .85 - .95
Spearmint leaves, bls . . lb. .75 - —
imported, bls . . lb. 1.25 - —
Spruce extract liq. reg., tanks, works . . lb. .01¾ - —
powd., super, bgs., c.l., works. lb. .05¼ - —
l.c.l., works . . lb. .05½ - —
Squill, red, fortified, powd., bbls., boxes . . lb. 1.60 - —
white, bls . . lb. .12 - .15
powd., bbls., bxs . . lb. .18 - .21
St John's bread, edible, bls . . lb. .13 - .15
Stannic chloride, anhyd., dms., works . . lb. .767 - .777
Oxide, dms., dlvd. E . . lb. 1.03 - 1.04
Stannous chloride, anhyd., dms., works . . lb. .824 - 1.092
Hydrous (crystals), dms., works. lb. .85½ - .89½
Sulfate, dms., works . . lb. .941 - .981
Star root (see Helonias root)

Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.14 - —
l.c.l. . . 100 lbs. 7.29 - —
powd., paper bgs., c.l. 100 lbs. 7.26 - —
l.c.l. . . 100 lbs. 7.41 - —
Prices for corn starch in cotton bags 25c per 100 lbs higher.
Potato, dom., Idaho, bgs., c.l., works . . lb. .033 - —
Maine, bgs., c.l., works . . lb. .03¼ - —
l.c.l., spot . . lb. .07¾ - .08¼
Rice, l.c.l., bgs . . lb. .16 - .17
Wheat, bgs . . lb. .0755 - .0780
Stargrass root (see Aletris root).
Stavesacre seed bgs . . lb. .60 - .61
Stearine oleo (see Oleostearine.)
Stomach substance not USP, fin. dms . . lb. 2.95 - 3.10
Stramonium leaves, bgs . . lb. .18 - .20
Streptomycin hydrochloride, bulk, gm. .17 - —
Sulfate, bulk . . gm. .17 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, dms., 5-ton lots or more, works . . lb. .33 - —
1-ton lots, works . . lb. .37 - —
tech., dms., works . . lb. .19 - —
Chromate, bbls., works . . lb. .46 - —
Iodide, jars, 25-lb. lots . . lb. 3.42 - —
Nitrate, bbls., cs., works . . lb. .11 - .13
Salicylate NF dms . . lb. 1.65 - —
Sulfate, air floated, 90% 325 mesh bgs., works . . ton. 56.70 - 66.15
Strophanthin, K, bots . . oz. 25.00 - 25.50
G, (see Ouabaine, USP).



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CHEMICAL PROGRESS WEEK-MAY 2-22

Strophanthus Seed—Wild Ginger

Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Styrax, USP, cs lb. .78 - .80
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots oz. 1.14 - —
Sulfate, USP, powd., cns., 100-oz. lots oz. .85 - —
Styrene monomer, dms., c.l., works. lb. 22½- —
l.c.l., works lb. 23½- —
tanks, works lb. 21 - —
Styrolyl acetate, bots lb 1.45 - 1.70
Sucrose, refined, white, bgs., ref'y East 100 lbs. 8.80 - —
Octa-acetate, denaturing grd., 100-200-lb. bgs., l.c.l., works. lb. .71 - —
Sulfabenzamide, dms lb. 4.00 - 4.50
Sodium dms lb 4 10 4.60
Sulfacetamide, fib. dms lb. 4.00 - 4.20
Sodium fib dms lb 5 00 5.20
Sulfadiazine, USP, microcrystals, dms lb.10.60 -11.10
powder, dms lb 10.25 10 75
Sulfadiazine-sodium, USP, dms lb.11.25 -11.75
micro crystals dms lb 10 60 11.10
Sulfaguanidine, USP, dms lb. 2.50 —
Sulfamerazine, USP, micro crystals. lb.10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb.11.25 -11.75
Sulfamethazine, micro crystals, dms. lb, 8.90 - 9.40
powder, dms lb 8 50 9 00
Sulfanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms. lb. 1.70 - 1.90
powder dms lb 1.50 1.50
Sulfanilamide quinoxaline, veterinary, dms lb. 6.50 - 6.75
Sulfapyridine, NF, powd., bots., tins. lb. 7.00 - 7.50
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, micro crystals, dms lb. 3.15 - 3.30
powder dms. lb 2 80 2 95
Sulfathiazole-sodium, USP, dms lb. 3.05 - 3.20
Sulfur, commercial, flour, bgs, mines 100 lbs. 2.30 - —
bbls., mines 100 lbs 3.05 - —
lump, bgs., mines 100 lbs 2.20 - —
bbls., mines 100 lbs 2.65 - —
crude, bulk, c.l., mines, contract, long-ton.26.50 - —
export, f.o.b. vessels, Gulf ports long-ton.31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port long-ton.28.00 -29.50
refined, flowers, USP, bgs., mines, 100 lbs. 4.00 - —
bbls. 100 lbs. 5.25 - —
flour, light, bgs., mines 100 lbs. 3.60 - —
bbls., mines 100 lbs. 4.50 - —
lump, bgs., mines 100 lbs. 3.30 - —
rolls, bgs., mines 100 lbs. 3.85 - —
bbls., mines 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.50 - —
virgin block, bbls., mines 100 lbs. 3.45 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.50 - —
bbls., mines 100 lbs. 3.65 - —
refined, bgs., mines 100 lbs. 3.25 - —
bbls., mines 100 lbs. 4.30 - —
treated, 4.5% mineral oil, bgs., mines 100 lbs. 2.70 - —
bbls., mines 100 lbs. 3.85 - —
10% pine tar, bgs., mines, 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tankcars, same basis lb. .03½- —
Dioxide, liquid, com'l, cyls., works. lb. .09 - —
multi unit cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration, cyls., c.l., dlvd lb. .24 - —
Monochloride, 55-gal. dms., c.l., frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Sumac leaves, 28%, bgs., ex-dock, ton.130.00 - —
ground, ex-dock ton.125.00 - —
Superphosphate run-of-pile under 22% a.p.a. pulv., bulk, c.l., Salto unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
triple, 48% or more, a.p.a. pulv., bulk, c.l., East Tampa, Fla. unit-ton. .96 - —

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2,4,5-T, dms., c.l., works, frt. equald, lb. 1.25 - —
l.c.l., same basis lb. 1.30 - 2.30
Isopropyl, ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works lb. 1.35 - —
Talc, dom. ordinary, Calif., grd. bgs., c.l., works ton.32.00 -33.50
Vermont off color grd., bgs. c.l., works ton.14.00 - —
l.c.l., works ton 17.50 - —
fibrous, New York, grd., bgs., c.l., works ton.25.00 -30.00
l.c.l. ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l. works ton.27.00 - —
l.c.l., works ton.30.00 -32.00
99.95%, micronized, bgs. works, ton.36.00 - —
imp Canadian grd., bgs. c.l., mines ton 15 25 -35.00
Tallow, edible, tanks, dlvd lb. 15½- .16
inedible, extra, tanks, dlvd lb. .07½- —
fancy, bleachable, tanks, dlvd. lb. .07¾- —
No. 1, tanks, dlvd lb. .07¼- —
special, tanks, dlvd lb. .07¼- —
sulfonated, 25%, bbls., l.c.l. lb. .08 - —
50%, bbls., l.c.l lb. .10 - —
Tankage, animal, feeding, 8-11% ammonia, bulk unit-ton. 8.25 - —
Chicago unit-ton. 9.25 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .13 - .14½
Java, AAA, bgs., ex whse., bgs. lb. .07¼- .07¾
AA, bgs., ex-whse lb. .07 - .07½
Tar acid oil, 15-18% dms., c.l., trt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 —
25-28%, dms., c.l., same basis, gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 —
50-53%, dms., c.l., same basis, gal. .70 - .72½
l.c.l., same basis gal. 73½ - 74½
tanks, same basis gal. .62½- —
Coal (see Coaltar).
Pine (see Pinetar).
Tartar emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½- —
l.c.l., works lb. .25½- —
tanks, works lb. .22 - —
Hydrate, com'l, bbls., c.l. lb. .24½- —
l.c.l. lb. .25 - .25½
NF, cryst., fib. dms lb. .57½- .62
powd., fib., dms lb. .65 - .69
a-Terpineol, dms., l.c.l., dlvd. E lb. .19 - —
Terpineol, com'l, dms., c.l., South. lb. .13½- —
l.c.l., South lb .14 - —
extra, dms lb. 41 .60
prime, dms lb. 30 .45
Terpinyl acetate, extra, cns., dms. lb. 57 - 75
prime, dms lb. 55 - 70
Propionate, dms lb 1.75 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100-gm. lots, bots gm. 79 - —
Propionate, USP, 100-gm. lots, bots gm. .75 - —
Tetrachloroethane, dms., works lb. 14½- —
Tetrachloroethylene, tech (see Perchloroethylene).
USP, 55-gal. dms. works lb 20½ 21½
smaller, dms. works lb .23½ .25
Tetraethyl orthosilicate, dms., c.l., works lb 71 —
l.c.l. lb 72 —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 —
Tetraethylenepentamine, dms., c.l., dlvd. E lb 57½ —
l.c.l., dlvd E lb. .58½- —
tanks, dlvd. E lb. .56 —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Thallium metal, dlvd lb 12.50 15.00
Sulfate, 99%, bots., dlvd lb. 8.00 -13.00
Theobromine, NF, fib. dms lb 3.00 —
And sodium acetate, USP, fib dms lb 3.55 3.60
Salicylate, fib. dms lb 4.00 —
Sodio-salicylate, NF, fib dms lb 2.90 —
Theophylline, anhydrous or USP, 100-lb. dms lb. 3.15 4.00
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo.135.00 —
Mononitrate, USP, fib. dms kilo.135.00 —
Thiocarbanilide, dms lb .50 .52
Thiodiphenylamine (see Phenothiazine).
Thiophene, dms., c.l., works lb. No stocks
Thiourea, tech., dms., c.l., works lb. .40 - —
l.c.l., works lb. .42 - —
Thorium nitrate, purified, fib. dms., 100-lb. lots or more, works lb 3.50 - —
dl-Threonine, bots., 1-kilo lots kilo.600.00 - —
Thyme, French, bgs lb .21 - .25
Spanish, bls. lb. .12 - —
Thymol, fib. dms lb 3.00 3.25
Iodide, NF, dms lb. 6.80 - —
Timbo root (see Cube root).
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) lb. .95 - —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous).
Titanium dioxide anatase chalk resistant, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
ceramic, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
regular, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
metallurgical, natural, granular, bgs., c.l., f.o.b. Jacksonville, Fla ton.120.00 - —
Niagara Falls, N. Y. ton.137.50 - —
5-ton lots, same basis. ton.142.50 - —
ton lots, same basis ton.147.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .24½- —
l.c.l., dlvd. E lb. .25½ —
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .08¾- —
l.c.l., dlvd lb. .08⅞- —
Tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb. .43¾- —
tankcars, works lb. .39¾- —
Uva ursi leaves, bls lb. 12 .14
a-Tocopherol, bots kilo.225.00 - —
Acetate, bots kilo.225.00 - —
o-Tolidine base, distilled, kgs lb. 1.30 - —
Tolu balsam, cns lb. 4.00 - —
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powder, works lb. .70 - —
solid, frt. alld lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis lb. .25 - —
tanks, same basis lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld lb. .60 - .61
Toluol, coaltar, industrial or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham dist. gal. .32 - —
Chicago dist gal. .35 - —
Cleveland, dist. gal. .34½ .35
Geneva, Utah gal .26 —
Johnstown, Pa. gal. .32 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .33 - —
Minnequa, Colo gal. .32 - —
Philadelphia district gal. .34 - —
Pittsburgh dist gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, Ohio gal. .32½ .33
petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Detroit, Mich gal .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —
2,4-Tolylenediamine, cryst., fib., dms., frt. alld lb. .94 - —
powder, same basis lb. 1.00 - —
Tonka beans, Angostura, cks lb. 1.65 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns oz. .42 - —
Toxaphene, dms., c.l., works lb. .17 - —
truckloads, works lb. .17 - —
ton to truckloads, works lb. .20 - —
smaller lots, works lb. .23 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., dms., c.l lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l., same basis lb. .53 - —
tanks lb. .50 - —
Tributylamine, dms., c.l., works. lb. .74 - —
l.c.l., same basis lb. .75 - —
tanks, same basis lb. .72 - —
Trichlorobenzene, dms., c.l., works, frt. alld. E lb. .14½- —
l.c.l., frt. alld E lb. .15½- —
tanks, frt. alld. E lb. .13 - —
Prices in the West 1¾c. higher.
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11¼- —
dlvd. E lb. .12¼- —
l.c.l., dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10¼- —
dlvd. E lb. .11 - —
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted. lb. 1.40 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l. dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .23¼- —
l.c.l., same basis lb. .24¼- —
tanks, same basis lb. .21¼- —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Triethyl phosphate dms., c.l. works lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E. lb. .21¼- —
l.c.l., same basis lb. .22¼- —
tanks, same basis lb. .19½- —
Triethylenetetramine, dms c.l., dlvd E lb. .48½- —
l.c.l., dlvd. E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-40%, dms., c.l., works, frt. equald., 100% basis. lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald, 100% basis lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .37 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .40 - —
Triphenylguanidine, bbls. works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld lb. .26¼- —
l.c.l., frt. alld lb. .27¼- —
tanks, frt. alld lb. .24½- —
Trisodium fluoroacetate (see Sodium fluoroacetate, tribasic)
Phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:30, dms., works lb. 5.00 5.50
dl-Tryptophane, fib. cns., works. kilo.165.00 - —
Tuba root (see Cube root).
Tungsten metal, powd., 98.8%, dms., dlvd lb. 4.95 - —
Turpentine, gum and wood (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gm. .75 - .85

U

Urethane, USP, dms lb 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, dom., 46% N, bgs., c.l., works. lb. .06 - —
l.c.l., works lb .06½- —
45% N, bgs., c.l., 30 tons, frt alld. Kan. Neb., N. Dak. Okla., S Dak Tex. and E ton.154.00 - —
l.c.l., dlvd ton.162.00 - —
Urea ammonia liquor, A and B grades N basis, tankcars, Belle, W Va ton.128.00 - —
C grade, tankcars, same basis ton.126.50 - —
37 grade, tankcars, same basis ton.155.50 - —

V

Valerian root, Belgian, bgs lb 38 - 40
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex-dock ton.65.00 - —
cups, 28-30% tannin, bgs., exdock, ton.50.00 - —
extract, powd., 62% tannin, bgs., exdock, duty extra lb. .09 - .09¼
Vanadium pentoxide tech., dms., works lb. 1.28 1.33
Vanilla beans, Bourbon, tins lb. 9.50 -10.50
Mexican, cuts, tins lb. 9.25 - 9.75
whole, tins lb. 9.50 -10.50
Tahiti, cs. lb.10.00 - —
Vanillin, ex eugenol, tins, 25-lb. lots lb 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25-lb lots lb 3.00 —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb 3.00 - —
smaller lots, tins lb 3.05 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .17½- —
l.c.l., dlvd. E lb. .18½- —
tanks, dlvd. E lb. .15½- —
Butyl ether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, cyls., frt. equald lb. .26 - —
tanks, same basis lb. .13¼ —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot 1.12 - —
75 c.c. bot. 1.56 - —
Ethyl ether, tech., dms., c.l., works. lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
2-Vinylpyridine, dms., works lb. 1.50 - —
Vinyltoluene, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gm bots. lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in nat., veg. oil, 400,000 to 1,000,000 D units per gm., bots., lots of 10 billion USP units, 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A synthetic, acetate, crystalline beads, 500,000 A units per gm. gram. .07¼- —
liquid, in oil 1,000,000 A units per gm. 1,000,000 units. .12 - —
Palmitate, liquid 1,000,000-1,800,000 A units per gm. 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gm 1,000,000 units. .12 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin.
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, crystalline, gm. or 5 gm. vials. gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic.
D (see Oils, codliver and fish-liver, Calciferol, and Viosterol).
D_2 (see Calciferol)
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin)
K, Active (see Menadione).
K_1 25 gm. bots gram. 4.50 - —
Violet methyl toner (see Blue methylviolet toner
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls lb. 2.60 Nom.
Warfarin, 0.5%, dms., 50 lb lots, dlvd lb. 1.95 - —
25-49 lb. lots, f.o.b., N.Y., or Chi lb. 2.05 - —
5-24 lb lots, cns. f.o.b., N. Y., or Chi lb 2.15 - —
Wattle bark, fair average, African, bgs., ex dock ton.98.00 - —
merchantable, bgs., ex dock.ton.94.00 - —
extract, liquid 35% tannin bbls., lb. .09¾ .10
solid, E Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
S. Africa, 60% tannin, ex-dock, duty extra lb. .10 - —
Wax amorphous (see Wax microcrystalline).
Bayberry, bgs., spot lb. .42 - .45
Bees, crude, African, bgs lb. .53 - .55
Brazilian bgs lb. No stocks.
Central American, bgs lb. .55 - .57
Chilean, bgs lb. .56 - .57
refined, bleached, white, bricks lb. .72 - .73
slabs lb. .71 - .72
yellow, bricks lb. .60 - .61
slabs lb. .59 - .60
Candelilla, crude, bgs lb. .74 - .76
refined, bgs lb. .77 - .79
Powdered candelilla, 20 mesh, 5c. per lb. higher; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots, lb. .80 - .82
North Country, No. 2, bgs., ton lots lb. .88 Nom.
No. 3, Ceara, crude, bgs., ton lots lb. .82 - .84
refined, bgs., ton lots lb. .84 - .88
Parnahyba, crude, bgs., ton lots lb. .84 - .86
yellow, No. 1 Ceara, bgs., ton lots lb. 1.14 - 1.16
No. 1, Parnahyba, bgs., ton lots lb. 1.18 - 1.20
No. 2, Ceara, bgs., ton lots, lb. 1.12 - 1.14
Powdered carnauba wax price differentials same as powdered candelilla.
Japan, bgs. lb. .38 - .40
Microcrystalline, 170°-175°F., m.p., ASTM, penetration 15-20, amber, ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis. lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
smaller lots, same basis. lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
smaller lots, same basis. lb. .25 - .26
180°-185°F., m.p., ASTM, penetration, 7-11, amber, ctns., 20,000 lbs., same basis lb. .16 - —
smaller lots, same basis. lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
smaller lots, same basis. lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots, same basis. lb. .28 - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis. lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
smaller lots, same basis. lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
smaller lots, same basis. lb. .34½- —
Montan, dom., refined, bgs lb. .31 - .32
imported, crude, Bohemian, bgs lb. .13½- .14
German, bgs lb. .14 - .14¼
Ouricury, refd., bgs lb. .95 - .97
Paraffin (see P).
Spermaceti, blocks, cs lb. .25½- .31
cakes, cs lb. .26½- .32
Sugar cane dom., ref'd., slabs, works lb. .75 - .80
spot lb. .77¼- .82¼
White lead (see Lead, white).
White pine bark, rossed, bls lb. .20 - .22
White precipitate, USP, powd., dms. lb. 5.00 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, natural, bls lb. .18 - .19
rossed, bls lb. .19 - .22
Ginger (see Snake root, Canada).
Witch hazel bark, bls lb. .16 - .17
leaves, bls lb. .23 - .24
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb. .20 - .25
Levant, bgs lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, cryst., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis, lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7°C. b.r., except meta, dms., c.l., same basis gal. .96 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
meta fraction, over 7°C. b.r., dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidines, mixed, dms lb. .39 .50
Xylol, coaltar, indust., tanks, works, Bethlehem, Pa gal. .34 - —
Birmingham district gal. 32 - —
Chicago district gal. 35 - —
Cleveland district gal. 35 - —
Geneva, Utah gal. 27 - —
Johnstown, Pa. gal. 33 - —
Lackawanna, N. Y gal. 35 - —
Lone Star, Tex gal. 33 - —
Lorain, Ohio gal. 33 - —
Minnequa, Colo gal. 34 - —
Philadelphia district gal. 34 - —
Pittsburgh district gal. 32 - —
Sparrows Point, Md gal. 34 - —
Terre Haute, Ind gal. 35 - —
Youngstown, O gal. 32½ - —
petroleum, indust., tanks, works:—
Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. 33 - —
Chicago, Ill. gal. 35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. 35 - —
Wood River, Ill. gal. 35 - —

Y

Yara yara, cns lb 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb dms lb 47 - —
90 Int'l B units per gram, 100-lb dms lb 52 - —
200 Int'l B units per gram, 100-lb dms lb 56 - —
300 Int'l B units per gram, 100-lb dms lb 60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd N of Tenn and N C, E of Miss., including Davenport, Minneapolis, Rock Island, St Louis, St Paul lb 33 —
Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.
Benzidine, AAA, bbls., dlvd lb. 1.91 - —
AAOT bbls lb 2.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E of Rockies lb. 1.15 - —
Cadmium yellows Los Angeles and San Francisco ex whse 1c per lb higher
Chrome, CP, bbls., dlvd. N. Tenn., and N.C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .31 - —
Dlvd Ala. Fla. Ga. La Shreveport, 1¼c higher; Miss. N C., S. C. Penna., Dallas, Tex., 1¼c higher; Ft Worth, Tex., 1½c higher; El Paso Tex 2c higher; Cedar Rapids, Des Moines, Kansas City, Lincoln Omaha St Joseph 1.6c higher dlvd Pac Coast; for Denver Pueblo Salt Lake City Wichita prices are equalized with Chicago
Hansa, 10 G, bbls., same basis, chrome lb. 2.15 - —
G pigment, bbls lb 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼- —
Peruvian type, bgs., l.c.l lb. .038 - —
pure, bgs., c.l., works lb .10½- —
l.c.l., works lb. .10¾- —
Mercury oxide, bbls., 1,000-lb. lots, lb 4.15 - —
smaller lots lb. 4.17 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .25 - —
basic dlvd lb .30 - —
Yerba santa leaves, bls lb. .40 - —
Yohimbine hydrochloride, bots, tin, oz. 4.75 - 5.25

Z

Zein, bgs., 30,000-lb. lots, works lb. .38 - —
1,000 to 30,000-lb lots, works lb. .40 - —
smaller lots works lb. 43 - —
Zinc acetate, tech., bbls., dms., works lb. .27 - —
NF VIII, dms lb. .53 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
l.c.l. dlvd E lb. .202 - —
Chloride, NF, gran., dms lb. .42 - —
precipitated powd. dms lb .26 - —
solution 50% dms. c.l. works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
tech., fused, dms., c.l., works, 100 lbs. 10.10 - —
l.c.l., works, dms 100 lbs. 10.60 - —
gran., fib., dms., c.l., works 100 lbs 10.60 - —
l.c.l., works 100 lbs. 11.00 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works, lb. .13½- .13¾
l.c.l., works lb. .14½- .14¾
Fluoride, bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld, lb. .21½- —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .10¼- —
Naphthenate, liquid, 8% Zn., dms., frt. alld lb. .24½- —
10% Zn, dms., frt alld lb. .30 - —
Oxide, pigment, American process, lead-free, bgs., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
leaded 35%, bgs., c.l., dlvd lb. .14 - —
l.c.l., dlvd lb. .15 - —
50%, bgs., c.l., dlvd lb. .14½- —
l.c.l., dlvd lb. .15½- —
French process, com'l green seal, bgs., c.l., dlvd lb. .15¼- —
l.c.l., dlvd lb. .16¼- —
red seal, bgs., c.l., dlvd lb .14¾- —
l.c.l., dlvd lb. .15¾- —

Zinc oxide, French process, white seal, bgs., c.l., dlvd lb. .15¾- —
l.c.l., dlvd lb. .16¾- —
USP, ctns., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. .17¾- —
Zinc oxide Pac coast prices 1c. higher.
Phenosulfonate, NF, gran., dms lb. .39 - —
powd., dms lb. .42 49
Resinate, precip., dms., frt. alld lb 26¾ —
Silicofluoride, bbls., works lb. .12 - .13
Stearate, tech., USP, ctns., c.l. lb. .37 - —
l.c.l., lb. .38 - .42
Sulfate cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½% Zn., bgs., c.l., works 100 lbs. 5.60 - —
l.c.l., works 100 lbs. 6.35 - —
36% Zn, bgs. c.l. frt. alld. 100 lbs 7.90 8.05
l.c.l., same basis 100 lbs 8.65 8.80
powdered, monohydrate, bgs., dlvd. east, c.l. 100 lbs. 7.90 - —
l.c.l. 100 lbs. 8.65 - —
Zinc sulphate in bbls 40c higher
USP gran dms lb 26 —
Sulfide, pure, bgs., c.l., dlvd lb. .2530- —
Undecylenate, dms. lb. 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc ammonium chloride, bgs., c.l. works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs. 10.25 - —
l.c.l., bbls., works 100 lbs. 10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l lb. .25½- —
l.c.l lb 26 41¼
normal dms. l.c.l. works lb 52 —

Zircon (G), granular, bgs., c.l., works lb. .03¼- —
5 tons to c.l., works lb. .03¾- —
1 ton to 9,999-lb lots, works, lb. .04 - —
smaller lots, works lb. .06½- —
milled, bgs., c.l., works lb. .04½- —
5 tons to c.l., works lb. .04¾- —
1 ton to 9,999-lb lots, works, lb. .04¾- —
500 to 1,999-lb lots, works, lb. .07½- —
Zircon (G) in barrels, 1c. higher.
Zirconium acetate, 13% soln. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 —
Hydride cns, works lb 7.25 - 11.50
Nitrate dms. ex whse lb 6.50 7.00
Oxide, 92½%-99%, white, grd., bbls. or bgs., works lb. .50 - —
lump, electric-fused, bgs., c.l. works lb. .44 - —
5-ton lots, works lb. .44½- —
1 ton to 9,999-lb. lots, lbs., works lb. .45 —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½- —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .50 —
5-ton lots, works lb .59½- —
1 ton to 9,999-lb lots, works lb. .60 —
500 to 1,999-lb lots, works lb. .60½- —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb .35½- —

Aluminum Antitrust Suit

—Continued from page 5

that Alcoa should serve as the main channel through which independent United States fabricators would be forced to secure Canadian aluminum. Consequently, we petitioned the federal court in New York for relief against this contract. In the ensuing months the federal government was busy reviewing its entire program of defense requirements for aluminum, its aluminum expansion program and its aluminum industry."

"Pending final determination on primary aluminum expansion, the government has been endeavoring to interest new companies in installing additional fabricating facilities, particularly for the production of aluminum sheet, plate, and heavy extrusions. Finding at that time that Olin industries alone was willing to proceed with a fabricating phase of an integrated aluminum project without government financing, but with no assured source of primary aluminum supply, the government urged the establishment for Olin, at its option, of such supply within the proposed settlement of the pending proceeding. By the order, this has been accomplished."

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● ● ● ● ● *Where You Want Them*

***ALLOPRENE**
(Chlorinated Rubber)

***CERECLOR #2**
(Chlorinated Paraffin 42%)

Sodium Cyanide Egg Flake Powder

Potassium Cyanide

Copper Cyanide

Zinc Cyanide

TRICHLORETHYLENE
all grades

UREA TECHNICAL 46%

Sodium Bicarbonate USP & Technical

Sodium Aluminate Dry

Ammonium Bicarbonate

Bleaching Powder Tropical 35-37%

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New Job for Businessman

President Eisenhower's experimentation in the placing of businessmen in important governmental positions is being extended into what should be a very interesting and informative test of its possibilities. He has named the president of one of the country's leading clothing manufacturing concerns as chairman of his commission on intergovernmental relations. Although intergovernmental relations are now the big topic of all sorts of considerations and comments, the problem which they present is really of far less national importance, especially from an economic point of view, than is that of the overlapping in some areas and the interstices in others in the functional relations of the federal government and that of the several states. The job for which the interrelations commission has been set up is a big one in any number of ways, especially because there is no constitutional authority for their correlation and coordination in most of the instances where the relations are not satisfactory from a practicable point of view.

The results of the President's experimentation in a number of fields have been so various that there is no adequate basis on which to evaluate the fitness of businessmen for governmental work. It is true that, in most instances, the jobs placed in the hands of businessmen have been well done: the average over all has been at least as good as that of any other type of officials. But, the businessman who can do a good job in a governmental post usually owes it to himself and his family—and his business—to make his volunteer service of the government shorter than the job demands. The reason is not even mainly a matter of compensation in most cases. Neither is it always a matter of what might aptly be called incompatability; although that is very often a contributory influence in his exodus. The processes of most governmental functioning groups are not those of business organizations. The man who has grown up (as an executive) in the atmosphere of the latter is not wholly, if much, at home in that of the typical governmental unit. There is also the matter of today's more or less specific or definite disapproval of certain, if not any, diversions from what is sometimes referred to as orthodox, or regimented, thinking.

The latest placing of a businessman in a governmental position, even though it be largely an advisory one, is of particular interest because the position is one which has little, if any, business nature. It is of little doubt that the business jobs in government can best be done by businessmen. The intergovernmental relations have more than a little relation to business but not in a direct way—and they do not involve much, if any, of the business phases of government. So; the ability of a businessman to handle the job of classifying and defining the respective functions of federal and state governments is by no means a matter of course, because it is a matter in which few businessmen have had any experience, even in the way of study.

Businessmen, of course, are concerned with such matters of intergovernmental relations as double taxation and the extension of federal regulatory measures within the bounderies of a state. In large degree most of such conditions involve puzzling questions of constitutional law. They also are motivated in large degree by demands of necessity. If this country had a national government, the defining of its relations with those of the component states and territories would be a relatively simple matter. Because the federal government is not an agency with overall and superior authority in most things, the task is almost an impossible one.

The new hand of the group designed to study and to improve intergovernmental relations is not without experience in the pursuit of similar purposes. He is also the chairman of the Committee for Economic Delevopment, the objectives of which are faced by our many problems of governmental status. His views on the extent to which the federal government should have anything to do with the economy of private enterprise are not a matter of record; nor is what he may think about the manner or the extent to which the federal government should supplement, complement or take over the work of state or local governments in such things as flood control, highway construction, and varicus matters of health, education, and welfare. The extent to which matters in either of those two areas may come into the problems of interrelations can be of almost any dimension. They are but a part of what is a big problem in every sense of the term. Those who believe that government, at least government by commission, should be in the hands of businessmen and would be better if so placed should get behind and beside the businessman who has been asked to demonstrate an important application of that theory and provide him with all possible information on what should and could be done, at least to simplify the impacts of dual governmental functioning on the livelihood of the people.

'Synthetic' Water Supply

The City of New York is, in large measure, surrounded by water. For that reason, the recent proclamation by it's mayor of a water emergency and the banning of sprinkling makes the wail of the Ancient Mariner about "Water, water, everywhere, but not a drop to drink" much more intelligible than it was when first met in one's schooldays. The emergency exists for miles around the city, and a strong movement for a state conservation plan has been made from a number of communities in northern New Jersey. The drought is not a trouble solely of the "arid" regions of the West—which alternately are afflicted with floods.

So, there is much serious and hopeful thinking in the first mentioned regions on the pronouncement by the federal Department of the Interior—a sort of strange name for an agency concerned with the matter in mind — that the production of fresh water from seawater at a practicable cost is being closely approached. The development is new, albeit not in a new field, and is said to have been worked out in some part of the program of nuclear investigations. The work actually has not been an "interior" job, but has been done by a private organization which is working with the department.

The desalting of seawater has long been a matter of wide interest. For the most part the interest has been in getting a "salt" rather than in providing fresh-water; although the latter objective has got a deal of attention in the past decade.

On the basis of what has been done, it would seem that the chemicals produced—at least the variety and quantities that could be produced—in a properly correlated process of desalting seawater would pay the costs of the processing. It pays to make magnesium from seawater. It pays to produce bromine from the same raw material. There are reports that the commercial production of potassium chloride from seawater is an actuality. There are data, attributable to nutritionists of reliability, that the production of a specially refined table salt, containing useful proportions of what one knows as "minor elements" is practicable and would be nutritionally valuable.

One of the newest aspects of the "synthesizing" of water supplies has to do with an entirely different area of application and utilization. It is adduced as a scheme of pumping seawater to all sorts of places—even roof tops—desalting it to an extent by electrical ionization or some such treatment, and using the less salted water in hydroponics to grow all sorts of food plants. The talk is that because some units of the United States Army have been doing hydroponic farming in the Orient, the practice will get a big push on this side of the Pacific when they come home.

Hydroponic farming has been practiced for several years in the southern part of the United States. It is still a bit expensive—and apparently is not politically entitled to adequate equalization of costs. Some economists are, however, of the opinion that, with due expansion, hydroponics, properly evaluated with all factors of saving in soil conservation, irrigation, weather protection, and so on, could be brought down to the cost of growing the same vegetables under the methods now in use.

But, the big push behind the "synthesizing" of fresh water is the need for that useful material. There is a deal of evidence all along the eastern slope of the United States that natural water tables are gradually sinking. Several means of meeting the undesirable consequences are widely discussed. The construction of reservoirs and piplines is still the most popular program — at least in discussions. But, there is a growing interest in the possibilities of getting water at closer range for the seaboard communities by desalting the abundant adjacent seawater. That is where the chemical industry comes in—or should come in. The job, of course, can be done with physical methods, but there will be a substantial providing of chemical materials in any event, and the chemical industry must be enlisted to avoid the wasting of those "slog" products and the consequent unnecessary cost. The chemical industry has made great strides in many areas of synthesis. It can perform another good service for the public by "synthesizing" water for general use. Whether the chemurgy involved should be applied objectively (in the "seeding" of clouds) or subjectively (in the desalting of seawater) depends on a number of things and is largely a matter of location. From any angle, the job deserves attention.

Washington Talks

—Continued from page 5

of the committe work may well be of major importance to business for years to come.

FDA-Drug Industry Rapport

The new medical director of the Food and Drug Administration, Dr. Albert H. Holland, jr., has a plan for greater cooperation between FDA and the drug manufacturing industry which is being well-received in the drug industry. More can be expected to be heard of the plan in later months.

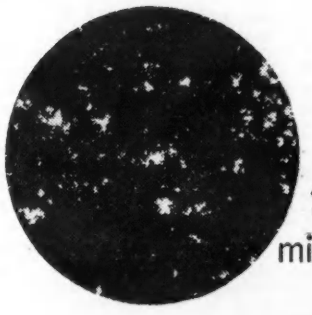
It is Dr. Holland's view that the drug manufacturers should set up some form of a contact between their medical directors and FDA to which the agency could turn for advice when needed in framing new policies that affect the manufacturers. The thought is that a group of medical directors of the industry could be formed on a more or less formal basis that would be a point of contact for FDA on matters coming within their field.

As it is now, FDA turns to the National Research Council, or the American Medical Association, or some other professional group for guidance on questions which largely are of greater importance to the manufacturers. Consequently, it is questionable whether the agency gets "the full picture" of the probable effects of a change in labeling or some policy of enforcement until after the change has occurred.

PAD Closes Up Shop

The Petroleum Administration for Defense finally folded last week and its remaining functions were inherited by the oil and gas division of the Interior department. The agency had been in a state of liquidation since the beginning of the year, but its dissolution order was held up until certain personnel matters could be ironed out. Hugh A. Stewart, who headed the division until PAD took over its functions late in 1950, has again been placed in charge.

PAD came into being in October, 1950, four months after the start of the Korean crisis. Like the other defense agencies, it was manned at the top by leaders from industry who served for brief periods and then turned the job over to a successor. The system has enabled the government to build up a long list of administrators from industry to handle the various materials programs of government in the event of another emergency. In the forty-three months of its existence, PAD dealt with a series of problems of an emergency nature with a minimum of criticism.



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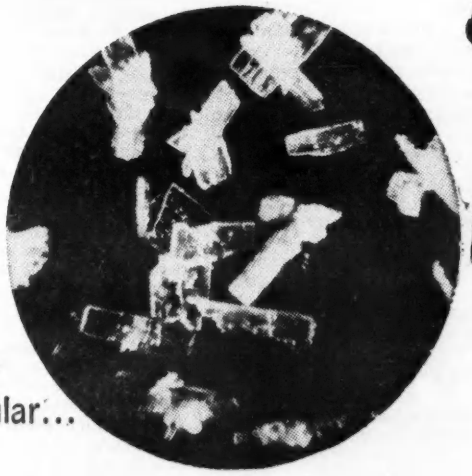

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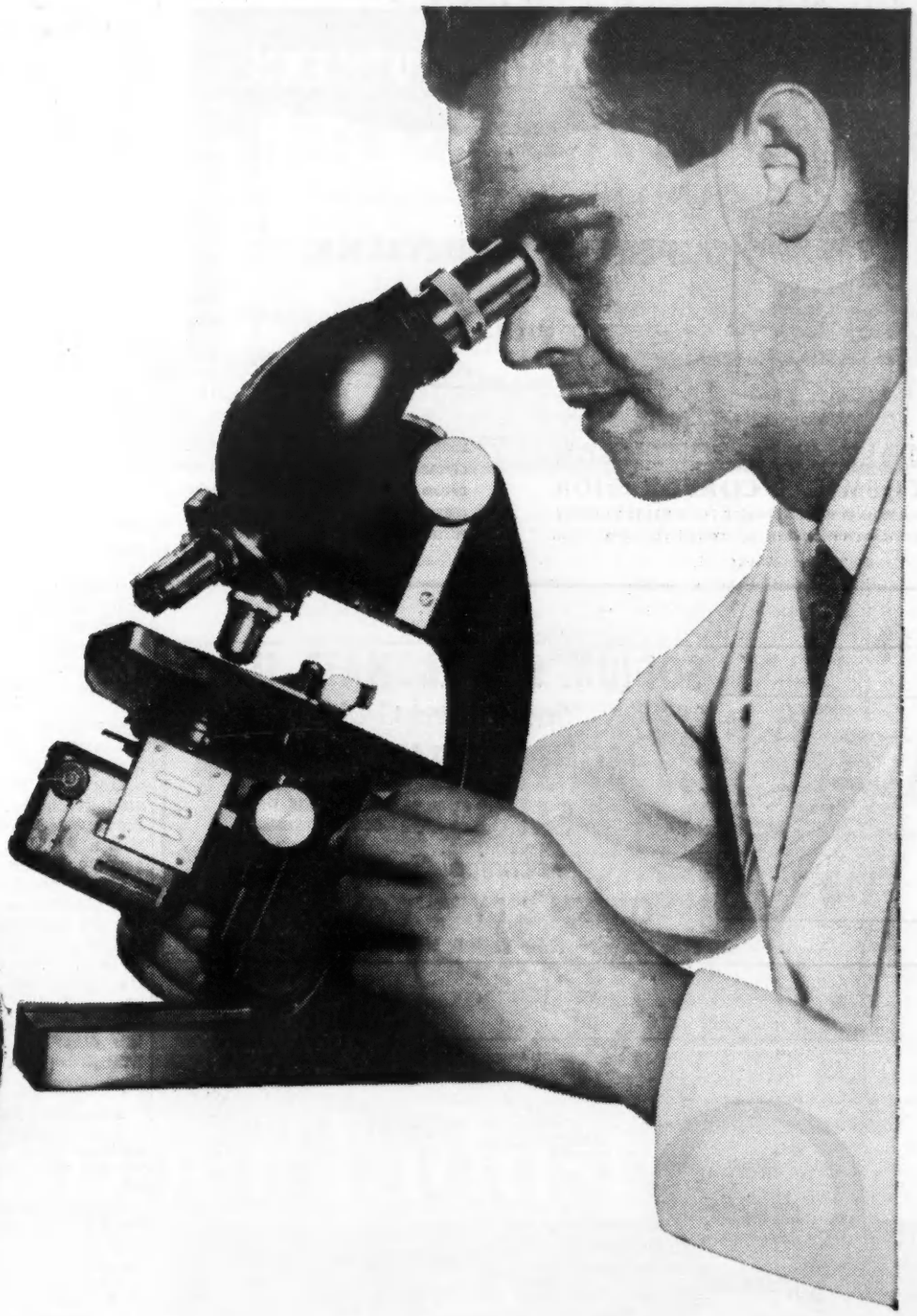

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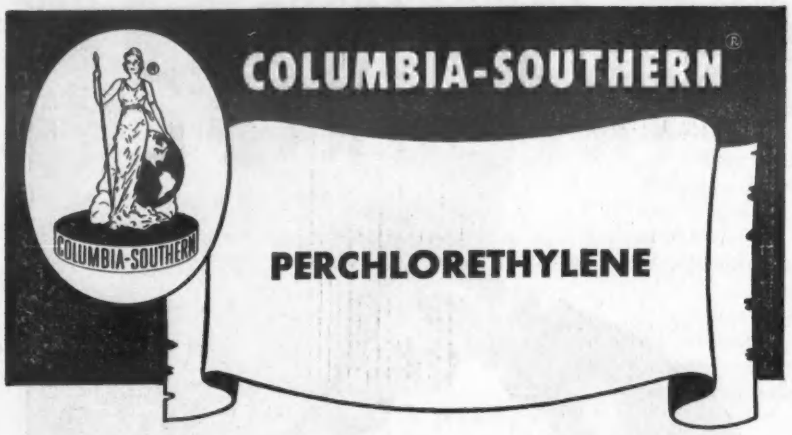

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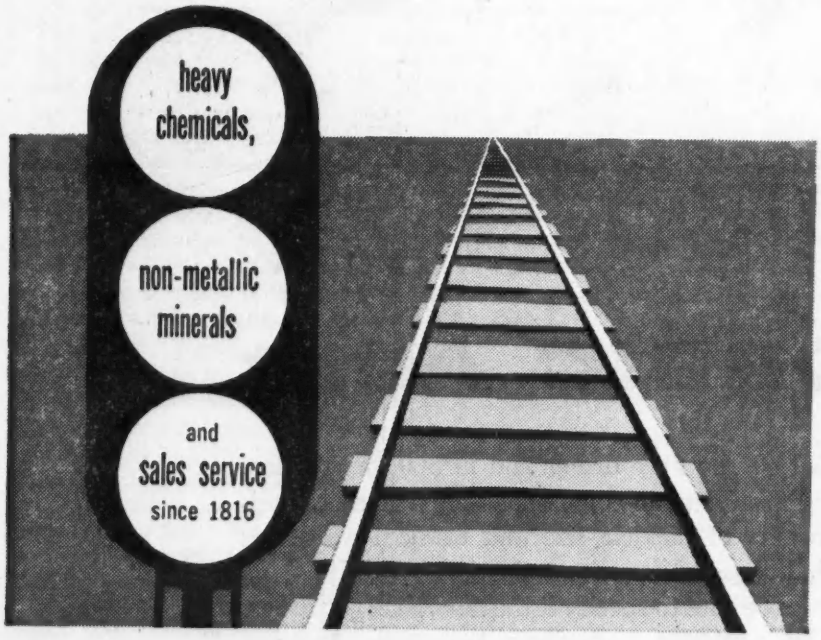

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Heavy Chemicals

No change in the index last week. A new high price for mercury was not sufficient to be represented in the price trend. The scarcity of mercury for immediate or prompt shipment remained serious and the market again responded to small lot buying. It was stated that the U. S. government and foreign governments are acquiring all the Italian and Spanish metal at present and the trade is looking for a strong market to continue. An early advance in the price of Straits tin was followed by a decline at the close of the week and there was not enough variation in the basic metal to affect quotations of tin salts. Copper maintained its strong position with demand active. Lead commanded moderate attention for May shipment while zinc held steady with no unusual activity noted.

Tight supply of anhydrous ammonia was sustained at the close of the month and no important easement is expected until the agricultural demand is leveled off. Crude salt cake was short for spot shipment owing to a smaller amount of byproduct material being produced under lower activity at rayon mills, the chief source of byproduct salt cake. A prominent producer of natural salt cake has advanced the price. The buying movement in calcium chloride is gaining momentum for summer highway treatment. Withdrawal of low quotations for copper sulfate abroad has shifted demand to the American market where export sales increased materially. There is more hydrochloric acid available at present than can be readily absorbed. Chlorine supply is still a problem while caustic soda has become definitely tighter.

Paper production based on percentage six-day capacity was 91.5 percent for the week ending April 24, according to the American Paper and Pulp Association. This compared with 93.3R in the preceding week and 94.1 in the corresponding week of 1953.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia, Anhydrous—Active demand for agricultural use is keeping the supply position tight. This conditions is expected to exist until this demand is leveled off in June or July.

Calcium Chloride—Sales increased for highway use late in the month with the volume well up to the seasonal average. No shortage of supplies to date.

Chlorine—Some producers noted a slight pickup in demand while others could see no important change. The supply is still long and probably will remain so until some significant improvement develops in consumer interest.

Copper Sulphate—Agricultural sales increased slightly at the close of the month. Industrial shipments held steady. Export inquiries covered a much broader area with a range from Korea to South America. Sales also increased. While the trade was a bit confused over the influx of inquiries, it was stated that the improvement was probably the result of a tightening of the foreign copper market and the withdrawal of the low quotations named by European sellers of sulfate. Stocks remained adequate to meet requirements and prices carried the same firm tone previously noted.

Lime—Domestic sales of open-market lime were 571,510 short tons during the month of February, compared with 572,907 tons for January, according to reports of producers to the Bureau of Mines. The quantities sold for agricultural and building uses increased appreciably, whereas decreases were noted in the refractory, chemical, and other industrial uses. Sales for chemical and other industrial uses in February showed 325,536 tons including 267,502 tons of quicklime and 58,034 tons of hydrated. Total sales in January to these industries amounted to 343,968 tons.

Phosphorous, Elemental—January production including yellow and red was placed at 23,441 tons, against 19,712 in the same month in 1953. Stocks on January 31 were 6,520 tons at producing plants.

Phosphorus Oxychloride — Production in January amounted to 967 tons, compared with 1,178 in January last year. Stocks at producing plants on January 31 were 452 tons. Trichloride output in January showed 770 tons, against 854 during the same month last year. Stocks on January 31 were 165 tons.

Price Trends

Advanced
Mercury, $5 per flask.

Reduced
None

Comparative Price Indexes
(100—1949 average)

Last week	Prev. week	Last month	May 1, 1953
98.39	98.39	98.40	97.27

(For Current Prices see page 9)

Potash, Caustic—Activity over the past month continued rather spotty with the sales volume better at the close than at the beginning of the period. Stocks have been kept adequate and the chemical industry was mentioned as the largest buyer.

Salt Cake—Supply conditions have tightened for crude salt cake and there was not much available at the close of the month. It was stated that rayon mills, the chief source of byproduct material, are running at reduced capacity. A lot of salt cake is also being refined into anhydrous glauber's salt and sodium sulfate, refined owing to the price differential. Demand for glass and kraft paper use has continued active for salt cake. One producer of natural has advanced the price to $20 per ton for bulk but others still named $19 f.o.b. works.

Soda Ash—In producing quarters it was stated that shipments remained good throughout April, although it was admitted that the tonnage movement was not quite as heavy as in March. Prospects appear to favor a steady demand until consuming plants close down for the seasonal vacation period.

Soda, Caustic—Demand held steady for the dry and liquid forms throughout the past month. Shipments of liquid toward the close were heavy enough to create a shortage in some producing quarters. This is the result of reduced output resulting in attempts to check the overflow of chlorine.

Sodium Bicarbonate—Demand averaged fair over the past month with stocks adequate to level off requirements. January production of refined showed 8,404 tons, compared with 8,796 in the preceding month and 8,217 tons in January, 1953. Stocks at producing plants on January 31 were 3,177 tons tons. Preliminary production last year was placed at 107,322 tons of refined, against 95,605 in 1952.

Sodium Chlorate—Sales holding a seasonal average with production keeping supply position comfortable. January output amounted to 2,783 tons, compared with 3,688 in January, 1953.

Sodium, Metallic—Stocks have been kept ample to meet a steady demand and prices have continued firm. January production was placed at 10,805 tons.

Sodium Silicate—Buying interest continued fair over the past month with the sales volume showing no important variation. Production in January amounted to 46,608 tons including soluble silicate glass, liquid and solid anhydrous. In December 43,957 tons were produced and in January last year output showed 41,181 tons. Stocks at producing plants on January 31 were 65,333 tons. Preliminary output figures for last year were 584,192 tons, compared with 519,039 in 1952.

Sodium Sulfide — Production of concentrated in January was placed at 3,409 tons, against 2,690 for the same month last year. Other grades including liquid and crystal showed 2,220 tons in January, compared with 1,940 in January, 1953. Stocks of concentrated on January 31 were 3,322 tons, other grades not available.

Sulfur Dioxide — January production amounted to 3,518 tons, against 3,768 in January, 1953. Stocks on January 31 at producing plants amounted to 1,243 tons.

Acids

Hydrochloric—Production of this acid has over-topped demand at present and available stocks show a substantial increase. Prices remained steady at former levels.

Sulfuric—Shipments are reported good in most directions particularly to the oil refineries. Agricultural demand was still active but is expected to have a seasonal drop next month. The iron and steel industry is not taking as much as usual ow-

For Late Market Developments, See Page 4

ing to the continued low production at steel plants.

Nonferrous Metals

Aluminum—Domestic primary production in March was placed at 244,678,349 pounds by the Aluminum Association, against 220,965,786 in February. Total for the year through March amounted to 698,137,342 pounds. Production during March and over the first quarter of this year established all time record highs.

Chromite — Consumption continued to decline during January, reaching a point 41 percent below the record high of August, 1953, and very near the low level prevailing during the summer of 1952, when labor strikes impeded steel production. Ore consumed in the production of 15,236 shore tons of chromium metallurgical products, such as ferrochromium and ferrochrome-silicon, was only slightly below the December level, but the use of chromite in the making of refractories, such as brick and cement, dropped 23 percent. January production of chromium chemicals such as chrome green oxide and chromic acid, increased 8 percent to 8,323 short tons (sodium bichromate equivalent) and consumed 3 percent more ore than the previous month according to the Bureau of Mines.

Copper—Buying interest continued active last week with prices holding firm. There was a steady demand for immediate shipment, April sales totaling around 90,000 tons with 16,000 booked for May. Electrolytic was priced at 30c. per pound delivered Valley basis.

Lead—Demand did not exceed moderate dimensions over the past week with May shipment commanding the most attention. The spot price for the common grade remained steady at 14c. per pound, New York and 13.80c. St. Louis basis.

Magnesium—Continued decline in 1954 magnesium casting shipments was indicated in tonnage figures released by the Magnesium Association. February, 1954, shipments of 1,099 tons fell ten percent under the January total and are one-third off of February, 1953 shipments of 1,613 short tons. Year-to-date total shipments of 2,324 tons are off 26 percent from 1953 shipments which then were moving upward as the result of urgent military needs, an influence not present in current production. February figures show a drop of slightly less than ten percent from January in magnesium sand casting shipments, 741 tons against 819 tons. The February permanent mold total of 134 tons fell approximately eight percent from January, while die casting shipments reflected the greatest decline with February's 224 shipped off 14 percent from the January shipments of 260 tons.

Production of primary magnesium during the first quarterly period of 1954 was 18,848 tons, according to the Bureau of Mines. This was 187 tons below the production in the fourth quarterly period of 1953. Production during the first quarter of 1954 exceeded shipments by 3,678 tons, leaving producers' stocks at 11,844 tons at the end of March.

Mercury—New high prices were again established last week with sales at $235 to $238 per flask on spot. In trade quarters it was stated that no nearby easement from the tight supply is in sight and opinions indicate a strong market through June. It was stated that the U. S. government and other governments are acquiring all the metal from Italy and Spain.

Tin—No unusual activity last week. Prices advanced early in the period but lost most of the gain later. Small lot sales predominated with sellers naming 95c. for straits tin in the late trading.

Zinc—Sales did not involve unusual dimensions last week. Carlot business was rather scattered and mostly confined to the May option. There was an absence of selling pressure and prices held steady. Prime western at the close of the month was listed at 10¼c. per pound East St. Louis and at 10¾c. delivered New York.

Metal Powder Group Elects New Officers

The Metal Powder Association, at its recent tenth anniversary meeting at the Drake hotel, Chicago, elected Paul E. Weingart of American Metal Company, Ltd., president succeeding T. R. Moore, assistant to the vice-president of General Dyestuff Corporation.

The following positions were also filled:—Chairman of the board, William E. Cairnes, president of Radio Cores, Inc.; head of the fabricators' division and vice-president of the association, Morris Boorky, president of Pressmet Company; head of the powder producers' division, Mr. Weingart; directors, Carl Johnson, vice-president of Pressmet Company and Ralph B. Quelos, general sales manager sion of Glidden Company.

Ammonium Sulfate Suppliers For Pakistan Named by GSA

General Service Administration has awarded contracts for supplying 13,750 long tons of ammonium sulfate, 21 percent nitrogen, for shipment to Pakistan under the Foreign Operations Administration program.

Successful bidders were:—H. J. Baker & Bros., 6,750 tons at $52.32 per net long ton, f.o.b. Bremen, West Germany; Nylos Trading Company, 4,000 tons at $51.60 per net long ton, f.o.b. Venice, Italy, and the Department of Agriculture, 3,000 tons at $63.90 per net long ton, c. & f., Karachi, Pakistan.

Michigan Chemical Association Sets Dates for Five Golf Outings

The Chemical and Allied Industries Association of Michigan has scheduled golf outings for Meadowbrook Country Club on May 4 and July 27, Dearborn Country Club on June 29, Pine Lake Country Club on August 24, and Plumb Hollow Country Club on September 28. The outing scheduled for August 24 has been designated "ladies' day."

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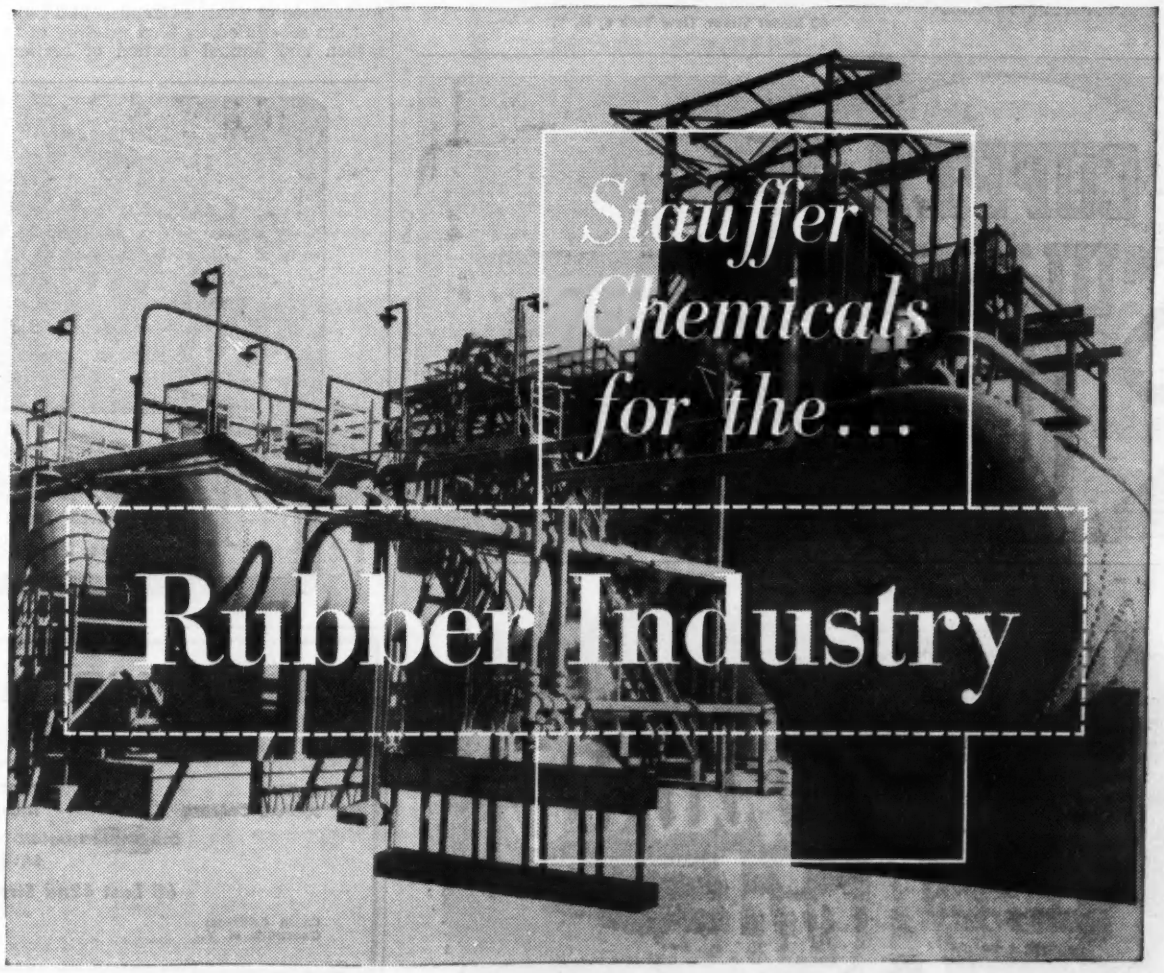

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American-Marietta Sales Position Goes to Schroeder

A. I. Schroeder, manager of trade and industrial sales for Marietta Paint & Color Company, a division of American-Marietta Company, has been promoted to the executive staff of the parent company.

Mr. Schroeder's new title will be manager of trade sales with full responsibility for co-ordinating merchandising, advertising and sales for all of A-M's trade and industrial maintenance paint lines. He will headquarter in the general offices of American-Marietta in Chicago, but his new duties will keep him in frequent contact with all divisions and subsidiaries in the paint field.

Oronite Reassigns Selby

J. H. Selby, formerly district manager for Oronite Chemical Company in Dallas, Tex., has been named assistant to the eastern vice-president, H. E. Bramston-Cook. Mr. Selby will work out of the New York office. In his new capacity, he will be responsible for bulk sales of Oronite "Alkane," its detergent alkylate. He will also handle special assignments.

N. Y. AATCC Final Meeting May 14

The New York section of the American Association of Textile Chemists and Colorists has scheduled its final meeting of the season and annual election of sectional officers for May 14 at Kohler's Swiss Chalet, Rochelle Park, N. J., at 7:00 p.m. Members are invited to bring their wives. Following dinner, Miss Caroline Boyer, head of the education branch of the textile research department of American Vicose Corporation, will present a paper on "Man-Made Fibers in Fashion."

Davison Adds Dr. Rudner

Dr. Bernard Rudner has joined the research and development staff of Davison Chemical Corporation and is located at Hilltop Research Laboratories, Baltimore, Md. Dr. Rudner was employed by General Aniline & Film Corporation prior to joining Davison.

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Aceto Chemical Sets Up Waste Recovery Service

Aceto Chemical Company, Flushing, N. Y., has established a new industrial waste recovery and salvage service. Its specialists have found uses for many chemical and industrial waste products that were previously thrown away, such as waste from solvent degreasing units (perchloroethylene and trichloroethylene sludges); electroplating bath sludges containing cadmium, nickel and other nonferrous metals, and plastic and rubber scrap and waste products. The service is in addition to the previously established service of purchasing surplus chemicals and related materials from manufacturers and plants seeking to dispose of such excess inventory.

Esso Personnel Position Goes to James Gorringe

James N. Gorringe has been appointed coordinator of management development by Esso Standard Oil Company, New York, succeeding Owen W. Humphrey, who has retired.

Mr. Gorringe will head a program undertaken in 1945 to build a reserve of qualified persons as replacements for key management positions and to assist management personnel to function more effectively in their present jobs. Mr. Gorringe had been employee relations manager of three of the company's plants and most recently was assistant process superintendent at the Bayonne, N. J., refinery.

California Oil Leases Offered

Eighty acres of California land will be offered for oil and gas leasing at two competitive bid sales to be held by the Bureau of Land Management on May 12 at 1 p. m., EST. Forty acres are located within the known geologic structure of the Buena Vista Hills oil and gas field, near Taft, Kern County, Calif., while the other forty acres are within the Wheeler Ridge field, near Wheeler Ridge, Kern County. Sealed bids, plainly marked not to be opened before the date and hour of the sale, and indicating the name of the field should be submitted to the director, BLM, Washington 25, D. C., on or before the bid deadline.

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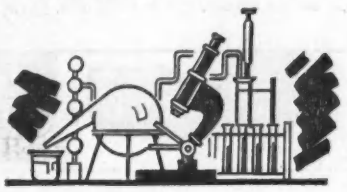

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Tax Reforms Advocated, Boons Told by Greenewalt

Tax reform which spurs the incentives to greater industrial development will lighten the load for everybody, Crawford H. Greenewalt, president of E. I. duPont de Nemours & Co., Wilmington, Del., stated last week in a luncheon address to the Economic Club of Detroit. Our industrial economy is "directly or indirectly, the source of most of our tax revenues" but the present tax system raises barriers to business expansion and improvement which would otherwise lower the burden for all, Mr. Greenewalt said.

Applying the concept of industrial production to the tax question, he said, "We should aim for a system based on low rates assessed against a large and growing national output. The more we can increase our real wealth and income, the greater will be the gross tax yield." Tax reform can promote national prosperity, Mr. Greenewalt said, if it is based on the fact that government revenue and industrial progress "are bound together in a single package" and on the realization that "an expanding economy means greater revenues with a lower per capita burden."

"Plainly, anything that penalizes such development is a penalty upon all of us, including the tax collector, first in depriving us of consumer benefits that arise from productive gains and, second in exaggerating the amount of the tax burden each individual must carry. Any tax method that can improve our productive capacity will favor us all and will reduce the burden on each of us," Mr. Greenewalt declared. He added that tax reform must enlarge opportunities for industrial expansion by:—"Keeping as much purchasing power as possible in the hands of the consumers; providing sufficient financial incentive to preserve our pioneering spirit, and making sure that there is enough capital available to finance new production facilities as they are needed."

Husky Oil, Phillips Petroleum Co. Start Exploration in Saskatchewan

Husky Oil & Refining, Ltd., and Phillips Petroleum Company have started on a major exploration and development program for 1954 in the Kindersley area of western Saskatchewan. They expect to drill approximately twenty wildcat and stepout wells, plus a number of development wells. This program commenced during the latter part of 1953 with the drilling of Glidden No. 1 and Margeno No. 1, both of which were completed as gas discoveries in the Viking sand.

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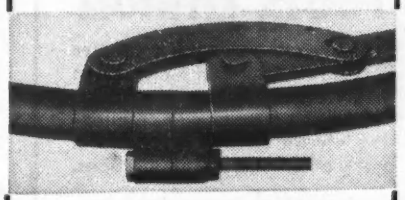

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Agricultural Chemicals

Price trend slanted upward last week after declining in the preceding period. The index showed 112.95, compared with 112.76 in the previous week. Domestic steamed bone meal was priced higher along with dried blood in the local market and tankage here and in the midwest. Stockfeed buying which gained considerable momentum over the past month was responsible for the uplift of prices. The strengthening influence stemmed from the sharp price increases in soybean and other vegetable oil meals. The fertilizer trade has bought up all the castor pomace and the market was temporarily bare of stocks. Menhaden meal remained exceedingly tight for spot shipment with the market a nominal affair. Menhaden meal for future shipment on a when and if basis was offered at substantially lower prices. The only decline recorded was in the insecticide classification where parathion 15 percent spray powder was reduced in price, presumably to place the market in a more favorable competitive position.

Maintenance of heavy demand has kept ammonium nitrate in tight supply. Ammonium sulfate found a steady outlet with spot stocks difficult to secure. Potassium muriate shipments continued heavy throughout April. Normal superphosphate inventories have been reduced but there is no shortage. Triple super has shown no indication of easement from its tight supply condition. Nitrate solutions remained about in balance. Sodium nitrate shipment continued to gain.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census and the Chemical Division of the Tariff Commission..

Price Trends

Advanced

Dried blood, New York, 15c. per unit of ammonia.
Bone meal, steamed domestic, $2 per ton. Tankage, 25c. per unit of ammonia.

Reduced

Parathion, 15% spray powder to dealers, 8c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
112.95	112.76	112.67	111.55

(For Current Prices see page 9)

Fertilizer Materials

Ammonium Nitrate—Production of original solution in February was placed at 141,052 tons, including 120,265 tons of fertilizer grade and 20,787 of all other grades. The January total was 153,518 tons and February last year 120,588 were made. Stocks at producing plants showed 78,557 tons on February 28, compared with 87,412 on January 31. The current market supply position remains tight with production heavily sold ahead and shipments running about ten days behind schedule.

Ammonium Sulfate—Synthetic output in February showed 63,193 tons of synthetic, compared with 58,799 in the preceding month and 56,693 tons in February, 1953. Stocks at producing plants on February 28 were 49,963 tons, against 73,422 on January 31, 1954. Market position study with available stocks reduced and buyers experiencing difficulty in securing immediate shipments.

Bone Meal—Domestic steamed is priced higher at $62 per ton in bags, carlots works. Steady buying for stockfeed use was the motive for the advance.

Dried Blood—Market higher at $8.40 per unit of ammonia, New York. Unchanged at Chicago at $9. Stockfeed demand held market in strong position.

Fish Meal—Menhaden remained exceedingly scarce for spot shipment with the price nominal at $145 per ton. Future shipments were offered on a when and if basis at $130 per ton.

Phosphate Rock—Shipments maintaining a fair seasonal average both for home and export use. Supply of Florida rock about in balance. Curacao rock unchanged at $43 per short ton, Atlantic ports or New Orleans.

Potassium Muriate—Withdrawals over the past month have continued steady and in most instances have been on time. The supply has been fully adequate to meet requirements and so have transportation facilities.

Sodium Nitrate—Shipments have shown seasonal expansion during April and prospects favor a further increase in May. Stocks have been kept adequate to meet requirements.

Superphosphate — Domestic production of superphosphate for the month of February amounted to 187,019 short tons (100 percent a.p.a.) according to the Bureau of the Census. This figure represents an increase of 2 percent over the January, 1954 output and a 7 percent increase over the production figure reported for the corresponding month of 1953. Shipments of all grades of superphosphate totaled 125,814 tons for February or an increase of 13 percent over the previous month's volume and a 3 percent increase over the figure reported for February, 1953. Stocks on hand at the end of February were 6 percent less than those held on February 1, 1954, but 12 percent more than the quantities on hand as of February 28, 1953. These monthly figures (including percentage changes) are unadjusted for seasonal variation and number of working days. Production of normal and enriched during. February, 1954, was 143,637 tons, triple showed 42,809 tons and wet-base 573 tons. Stocks on February 28 included 240,772 tons of normal, 45,592 tons of triple and 3,056 tons of wet-base. Shipments are going forward in good volume but no shortage, except in triple which is in definitely tight supply at present.

Tankage—Prices advanced under heavy demand for stockfeed use. Sales in New York were reported $8.25 per unit of ammonia and at $9.25 in Chicago.

Los Angeles Market

Los Angeles.—The organic market remained firm with trading limited to very light supplies of spot material. Domestic tuna meal continued tight with demand strong. Interest high in futures for other organic items. The inorganic market was steady with suppliers still rushed to meet late orders; shortages reported for ammonium nitrate and ammonium sulfate.

Ruling prices were:—Ammonium nitrate—$90.50 per ton, domestic, f.o.b. Los Angeles. $89.84 per ton, Canadian material, f.o.b. Los Angeles.

Ammonium phosphate—$80.14 per ton in bags, 16-20 grade, f.o.b. Los Angeles. $107.64 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Pesticides

Government bids for 3,200 tons of DDT 75 percent wettable powder have been opened and are now being processed to determine how the orders will be allocated. Export purchases have involved a sizable total this year to date and have placed a substantial dent in inventories. It was pointed out that the more that goes out, the more production increases. Bid prices on this quantity were reported to be considerably higher than bids of the past. Domestic buying has not gained much momentum to date but the market is entering the new season in much better shape than a year ago. Reports from the southwest state that orders are increasing for cotton dusts. It was also indicated that prices in Mexico were in line with domestic quotations. BHC remained relatively quiet and without price change. Parathion 15 percent spray powder was priced lower to dealers at 48c. per pound for truckloads and 49c. for less in 50 pound drum containers, in 5-pound bags, 6 to a case, 53c. to 54c. per pound was named.

BHC—February production was placed at 5,367,965 pounds, compared with a revised total of 4,745,598 in January and 7,061,584 pounds in February last year. The gamma isomer content in February was 705,317 pounds, against a revised total of 630,543 in the preceding month and 1,018,378 pounds in February, 1953.

DDT—Output showed 6,965,696 pounds during February (partly estimated), compared with 7,769,963 in January and 7,095,845 pounds in February, 1953.

2,4-D Acid—Production in February amounted to 2,138,035 pounds (partly estimated), against 1,797,614 in the previous month and 2,482,031 pounds in February last year. February output of acid esters and salts was 1,483,262 pounds, compared with 1,094,794 (partly estimated) in January and 1,903,073 pounds in February, 1953, all partly estimated. Acid equivalent of 2,4-D acid esters and salts showed 1,188,995 pounds during February, against 854,071 (partly estimated) and 1,373,467 pounds in February, 1953.

2,4,5-T—February output amounted to 205,570 pounds (partly estimated), compared with 192,093 in the preceding month and 541,084 pounds in February, 1953.

For Late Market Developments, See Page 4

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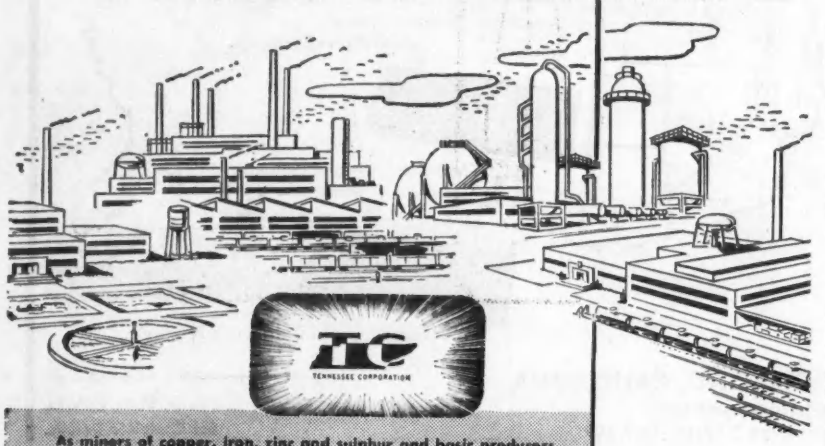

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Tin Smelter's Continuance Aim of Johnson

—Continued from page 3

concentrates in port ready for immediate shipment; an additional 1,100 tons could be delivered by May 15, and the remaining 1,800 tons by June 30. Mr. Flemming made no comment on the offer, which was the same as that made a week earlier to the Reconstruction Finance Corporation (OPD, 4/26/54).

Sen. Johnson, who is also the minority leader of the senate and one of the ranking minority members of the senate armed services committee, described the Texas City smelter, built in 1942, as the most modern and efficient smelter in the world. It alone of major smelters, he added, can process the low-grade ores of Bolivia—the country we can most safely rely on to supply a portion of our tin requirements in the event of future war.

"Today this country faces a critical situation in Indo-China," he continued. "What that situation will produce no one can predict. But of this much we can be sure, the danger of the free world's losing access to the whole of southern Asia is great.

Asia Produces 65% of World's Tin

"Malaya, Indonesia, Thailand and other Asiatic countries normally produce 65 percent of the free world's tin supply. If Indo-China falls, all of these countries will be threatened. Then the free world would have to look to Bolivia and Africa for the whole of its tin supply. Under no circumstances can those countries meet the normal tin requirements of the free world. They can, however, as a supplement to our tin stockpile, prevent the shortage of tin from becoming a critical factor in the success or failure of the free world's efforts to defend itself against aggressive communism."

He said that in 1947, when congress authorized the continued postwar operation of the Texas City smelter, it foresaw the necessity for a congressional study of the desirability of a permanent tin-smelting industry, but that study has never been made. It should be made now, he declared, and the American smelter should not be closed until that question has been thoroughly studied and determined by congress.

In his concurrent resolution, which simply is an expression of congressional opinion that the plant should continue to operate until June 30, 1955, and does not require approval of the President to become law, provision is made for the study to be made by an appropriate committee of congress with directions to report back by March 31, 1955.

Alcoa Transfers Two

Aluminum Company of America, Pittsburgh, Pa., has made two transfers in its refining division. Dewey E. Sibbles, office manager of the company's works at Bauxite, Ark., has been named to a similar post at the recently-expanded works at Mobile, Ala. William C. Johnston, senior accountant in Pittsburgh, has been made office manger of the Buaxite works, replacing Mr. Sibbles.

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Petroleum Derivatives

Some partial aromatic solvents were lowered in price as of Friday of last week. The move brought about price reductions ranging from ½ cent to 3½ cents per gallon in material with boiling ranges falling between 205°F. and 425°F. It resulted chiefly from the cut in toluol and xylol prices effected during the previous week. However, the reductions in partial aromatic solvents also were designed to move material. Toluol and xylol prices were steady after the changes of the previous week. Shipments were going out on schedule and the market appeared well supplied. Higher aromatic solvents appeared in good demand and were amply available. Consumption of aliphatics held up pretty well.

Crude scale and microcrystalline waxes were in tight supply. Manufacturers reported that sales went very well and that their chief problem was in getting material ready for shipment in time. The time required for caking and packaging in some instances delayed shipment beyond the delivery dates desired by consumers. Prices were steady and were expected to remain so. Sales of liquefied petroleum gases continued slow, in most areas, chiefly because of the end of the heating season. Petroleum sulfonates were moving well and were supplied freely from a generally adequate production. Petrolatums and white mineral oils were unchanged in price in a market that was without feature.

Solvents and Diluents

Cleaners' Naphtha—Sales moved right along for this item and no large change in consumption was expected. Some increase in sales was expected to materialize later in the current quarter, but the added demand would be filled without difficulty, it was stated. The current levels of inventories were such as to guarantee the consumer ease in filling his needs over the coming weeks.

Mineral Spirits—Material was reported moving into consumers' hands somewhat faster. This accelerated pace, where it was observed, was felt to follow from the seasonal rise in demand for paint products. The industry was able to offer material as it was needed and saw no pinch in supplies developing.

Partial Aromatics—Some partial aromatic solvents, with boiling ranges falling between 205° F. and 425° F. and with mixed aniline points between 17° C. and 38° C., were lowered in price as of Friday of last week in a move that resulted at least in part from the lowering of toluol and xylol prices during the previous week. The reductions ranged from ½ cent to 3½ cents per gallon, thus exceeding the 1 cent per gallon reduction that had been made in some toluol and xylol prices. Reductions of this size in partial aromatic solvents were made in order to move material, it was stated.

Rubber Solvent—Industrial consumers continued their requirements without slackening, but also without any sizeable increase. The supply picture for this material was untroubled, and ample quantities were available for shipment. Prices remained steady.

Toluol—Prices remained steady, following the reductions of the previous week. Material was available in quantities as needed and there appeared to be no tightness in this market. Consumption was good, but not changed greatly from the past several weeks. Any changes in the coming weeks were expected to be gradual rather than sudden.

VM&P Naphtha—Material moved reasonably well, trade sources stated. Demand was fairly active, and while it did not take all of current production, it kept production moving along at a moderately active rate. Some increase in consumption was indicated by the present industrial outlook, it was stated.

Xylol—Following the price reductions of the previous week, this material remained steady as previously quoted. Supplies were held to be adequate for current needs, and producers could actually handle more orders than were materializing currently. Delivery schedules were thus kept up to date without difficulty in almost all cases.

Price Trends

Advanced
None

Reduced
Petroleum, solvents, partial aromatic, East Coast, N. J., N. Y., ½c. to 3½c. per gal.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
104.75	105.14	105.20	104.49

(For Current Prices see page 9)

Waxes

Microcrystalline—Production has been well sold up and prices were reported holding firm. Manufacturers were selling all of their output, and their chief problem was in getting material ready for shipment fast enough. In regard to price changes, trade sources stated that any changes that might develop would be put into effect toward the end of May, since business was done on a quarterly basis. No increase in quotations was considered to be likely, however, judging by current market conditions. There was a strong possibility that any changes put into effect at the present might not be held, it was stated in the trade.

Paraffin—Producers experienced some difficulty in shipping material fast enough. With almost all of their output sold, the time necessary for caking and packaging in some instances delayed shipment beyond the time when the material was desired by the consumer. Some increase in the already good demand was expected to materialize during May and June, as buyers sought to fill their requirements before the hot weather arrived. No increases in prices were expected in the immediate future, although with crude scale as well as microcrystalline in tight supply, no decreases were considered feasible at the present.

Lighter Fractions

LPG's—Sales moved along at just about the expected rate for the season. Demand was considered to be off from the level of a month ago, but this decline was in line with reduced heating requirements. The filling of underground storage was expected to provide a stimulus to sales once it got underway. Contract prices were steady as posted, with summer discounts already put into effect.

Total production of liquefied petroleum gases during the month of February came to 538,742,000 barrels, according to figures supplied by the Bureau of Mines. Daily average deliveries for fuel and chemical uses declined 7 percent compared with January. For use in motor fuel daily average deliveries of liquefied petroleum gases increased 13 percent.

Stocks of liquefied petroleum gases at plants, terminals and underground at the end of February totaled 162,459,000 gallons, as compared with 141,262,000 gallons at the end of January, the Bureau of Mines has reported. Stocks at refineries came to 34,944,000 gallons at the end of February, compared with 32,718,000 at the end of January.

Miscellaneous

Imports of crude oil and petroleum products came to 744,900 barrels per day during the week ended April 17, according to figures released by the American Petroleum Institute. This compares with 1,050,600 barrels per day during the week ended April 10, and with 920,800 barrels per day for the four-week period ended April 17.

Los Angeles Petroleum Market

Los Angeles.—Solvents and diluents continued in good supply with demand steady. Prices remained firm with lacquer diluent quoted 18.3c. per gallon, 400 gallons or over, ex-tax, f.o.b. Los Angeles basin area. Cleaning solvents, including Stoddard, quoted 17.3c. per gallon, same basis.

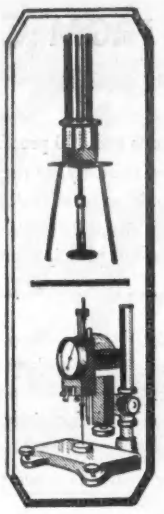
Little change in rate of activity for LPG's was reported. Propane stocks remained ample with inquiry moderate; demand held at a good level for butane with stocks limited on the local market.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended April 17 totaled 268,196,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 269,236,000 barrels for the preceding week, this represents a decrease of 1,040,000 barrels comprising a decrease of 56,000 barrels in stocks of domestic crude and a decrease of 984,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

A HISTORICAL FIRST



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Industrial Organic Chemicals

Prices remained stable for industrial organics last week. Current quotations for acetone were firm at their newly established listings. Producers reported April business was a little better for this ketone. One source noted a pickup after the price reduction. General demand for solvents was felt to be good.

Alcohol prices were firm where they were. Butyl alcohol was moving to a fair demand. A good volume of iso-octyl alcohol sales has been maintained, demand from plasticizers being steady. There was a steady call for isopropyl alcohol. However, the market was not considered as strong as it used to be.

Demand for carbon disulfide was below former levels due to fewer calls from the rayon industry. The market for dimethylformamide was steady. Incoming orders for ethyl acetate kept activity to a fair pace. Demand from industrial finishes could still show some improvement here, it was felt. Producers reported methyl acrylate was running along very well. Interest for ethyl acrylate was steady. Supplies of both monomers were adequate.

Activity for ethyl bromide has remained steady. A fair call came from pharmaceuticals and chemical intermediate uses. Sales were seasonally normal for methyl bromide, being a bit slow. A little pickup was looked for when summer brings warmer weather. Ethyl ether was still in long supply.

A steady demand for formaldehyde held the market in a stable position. Overall demand for glycerine was rated as fairly good. There was an ample supply of refined grades, but crude material was a bit short due to fewer imports and smaller tallow soap operations. There has been a very good demand for methyl methacrylate. Glacial methacrylic acid was also moving very well. A good volume of methylethyl ketone moved to satisfy demand. Some improvement has been noted for pentaerythritol. Trimethylamine moved steadily to a good buying interest.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month
132.28	132.28	132.52

(*For Current Prices see page 9*)

Acetone—Price schedules have remained firm at recently established levels. No further reductions were anticipated at this time. Producers said that activity has held up quite well. The number of orders for acetone was sustained at a good rate. One source reported a pickup in buying during the last few days. The recent price cut was a result of competition among a large number of suppliers. Overall demand for solvents was quite good. Ample supplies were available to accommodate all anticipated needs of consumers.

Additional acetone from the cumene process of producing phenol has been added to market supplies and more was anticipated as other production facilities come into operation. Hence, there was expected to be at least enough acetone available to take care of all consumption requirements.

Butyl Alcohol—No price changes were reported for any of the alcohols in this grouping. The market was generally described as firm and normal. A fair number of calls for plasticizers kept a steady volume moving. Supplies were adequate for consumer's needs.

Production of primary n-butyl alcohol during February totaled 10,243,803 pounds, compared with January output of 11,530,720 pounds, according to the Tariff Commission.

Carbon Disulfide—No changes were noted in this market. Producers said that demand was currently under former levels. Reduced operations in the rayon industry, partly due to slow textile business in general, and partly due to competition from synthetic fibers replacing the regular standard fibers, caused the slowness in this market. Ample supplies of the disulfide were available to take care of consumer needs.

February production of carbon disulfide totaled 36,896,900 pounds, compared with January output of 36,537,996 pounds, according to a Tariff Commission report.

Dimethylformamide — A steady market picture has held true for this material. Current quotations were firm at the 33c. per pound tankcar level. Ample supplies could be obtained to fulfill all consumption needs.

Ethyl Acetate — Incoming orders kept this ester moving along fairly well. Sales in April have not resulted in a big month, it was said. But, there was a steady movement and general solvent demand was quite good. Buying interest from industrial lacquers could still be a little better, it was felt. Prices remained steady at former listings.

February production of the 85 percent grade was 3,017,750 pounds, compared with 5,909,136 pounds in January, Tariff Commission figures indicate.

Ethyl Acrylate—Demand was steady. Producers had ample supplies to take care of a normal volume of orders. No revisions in price schedules have taken place or were expected. Current quotations were at 42¾c. per pound in tankcars, 44½c. per pound in carlots, and 45½c. in l.c.l. quantities, all on a delivered basis.

Ethyl Bromide—This market has consistently held to a steady pace, it was said. There was a fair amount of activity for uses in pharmaceuticals, as a chemical intermediate in organic syntheses, and some demand from dyes, perfumes, and as a solvent. Prices remained firm and unchanged at former quotations. Schedules for the 98 percent technical grade were at 41c. per pound in carlots of drums, and 43c. per pound for less than carlots. Adequate supplies were available to fulfill consumer requirements.

Ethyl Ether—No significant change was noted in the market for this material. Demand has not shown any substantial tendency towards picking up. Producers reported supplies were in a long position. Prices remained firm at former listings.

Total production of technical and USP grades in 1953 came to 42,693,119 pounds, information from the Tariff Commission relates.

Total February production of technical and USP grades came to 2,989,682 pounds, whereas January output had been 3,451,164 pounds.

Formaldehyde—A steady demand from plastics adhesives and other outlets held this market in a relatively stable position. Supplies were readily available for current consumption needs. However, stocks were not heavy and deliveries were normal. No changes in price schedules were noted.

Output of formaldehyde (37 percent by weight) in February totaled 79,808,943 pounds, while January production was 83,297,355 pounds, according to the Tariff Commission.

Glycerine—Producers reported steady activity for refined material. Demand for the entire market was not up to former levels due to cutbacks from several different directions such as reduced need for defense uses and lower industrial activity. Nevertheless, producers felt that the market was not bad and general call from drugs and pharmaceuticals, cellophane, explosives, and synthetic resins was pretty good. Activity for resins in recent weeks has been quite good and the call from pharmaceuticals was also satisfactory, it was said.

Fewer imports have made less crude available, which has kept the crude stockpile down. One producer remarked that it had adequate supplies of refined material, but would even like to have more. Production of synthetic glycerine has done much towards steadying the supply picture as well as contributing to price stability. Trade sources said that there would not be enough glycerine to meet the needs of domestic consumption, if the synthetic output were not available. Reduced soaping operations brought on by development of markets for synthetic detergents have resulted in the reduction of natural glycerine production. Price schedules of

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the coal chemicals market, while reports on fine and rare organic chemicals appear in the drugs, fine chemicals, botanicals market.

For Late Market Developments, See Page 4

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natural and synthetic material have held steady at former levels.

Iso-octyl Alcohol — Prices remained steady and firm at 21c. per pound in tank-car quantities. Producers said that they have been able to maintain a good volume of movement. Demand for the alcohol was held up by the pace set for dioctyl phthalate. The volume of business being done in plasticizers was very good, despite price competition in various markets. No changes were anticipated in the market situation for this octyl alcohol. Adequate supplies were readily available for consumer requirements.

Isopropyl Alcohol—Producers related that this market was not quite as strong as it used to be. Isopropyl has seen some competition from ethyl alcohol. However, the market for the former was not too bad, it was said. There was a steady call for the material. Prices have remained firm at previous quotations. Supplies were ample for current requirements.

Methacrylates — Demand for methyl methacrylate was reported to be very good. Supplies were normal and prices were firm. Current quotations were at 35c. per pound in tankcars, 36½c. per pound in carlots, and 37c. per pound in smaller lots. Ethyl methacrylate, although a smaller volume item, moved at a satisfactory pace. Prices were unchanged for ethyl at 51½c. in carlots, and 52c. per pound for l.c.l. quantities.

The markets for n-butyl, n-hexyl, n-octyl, and n-lauryl methacrylates were said to be small compared with methyl; however, a steady call kept orders moving at a relatively even rate. No price revisions were anticipated.

Methacrylic Acid—Activity for glacial material was very good. Producers reported sales were very high for use in copolymers and output of glycol dimethyl of the chemicals-pigments-metals divi-methacrylates. Prices of the acid were firm and unchanged. Supplies were adequate for the demand.

Methyl Acrylate—"This market has been running along very well," a source said. Demand has increased and current volume was good. Adequate supplies of this monomer were available for consumer's needs. Prices were firm and steady at previous quotations. Current tankcar quotations were at 42¾c. per pound.

Methyl Bromide—Current market conditions were not unusual. Activity was seasonally slow at present. Supplies were normal. There was enough material to take care of all anticipated consumer requirements. Yet, there was not too much stock so that producers were concerned with the extent of the inventory.

It was said that a steady increase in volume of use has taken place in this market over the past several years. End-use as a fumigant for grains and soil has presented a large market outlet. Use for fumigation of homes was a market outlet less subject to seasonal fluctuations due to temperature controls. However, effective use on soil required summer temperatures, thus, bringing greater activity in summer and early fall months. There were local areas currently calling for good quantities of the bromide. The export market, particularly for Brazil, was said to be a large consuming outlet.

Price schedules have held firm at previously established listings. Quotations on the jobber level ranged from 47c. to 61c. per pound for various sized cylinders. It was said that a large part of the business was being done in 1-lb. cans, which was regarded as the most effective means of handling the packaging.

Methylethyl Ketone—No significant changes were noted in this market. Producers were moving a good volume of MEK to a substantial demand for ketone solvents. Competition among various solvents continued to be strong, but busi-

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ness was fairly good. Price schedules were steady and unchanged. Ample supplies were available to take care of all current needs of consumers.

Oxalic Acid—Production of this acid totaled 21,694,262 pounds last year, according to preliminary statistics from the Tariff Commission.

February output of the acid amounted to 1,900,236 pounds, as against January production of 1,606,924 pounds.

Pentaerythritol—Producers felt that there was some improvement in demand levels in recent weeks. Buying interest had been a bit slow in the past month or two, but present calls for PE brightened the market outlook. Prices have held firm at previous quotations. No revisions were anticipated. Supplies were adequate to take care of current needs.

Total production of pentaerythritol in February amounted to 4,414,925 pounds, as against 4,697,330 pounds produced in January, according to Tariff Commission statistics.

Trimethylamine—No significant changes were noted for this amine. Demand was good. Sales held to a relatively steady level. Supplies were adequate to take care of that demand. Prices held firm at former schedules. No revisions were anticipated at present.

Additive Complaint Rebuttal Filed; Hearings Set May 10

Pioneers, Inc., Oakland, Calif., and its president, Jess M. Ritchie, have filed a denial answer to a Federal Trade Commission complaint charging false and misleading advertising of the battery additive "AD-X2," and hearings have been scheduled May 10 in Washington, D. C. In its answer, the company agreed that it disseminated the advertising claims cited in the complaint but made a point-by-point denial of the charges that the representations contained therein and attacked in the complaint are false, misleading and deceptive.

Throughout its answer, the company included footnotes citing testimony or other material upon which it relies to substantiate its position. In several instances, these footnotes also state that advertising claims questioned in the commission's complaint have been taken out of context.

Barringham Rubber Elects Moffat Director, Vice-Pres.

Barringham Rubber & Plastics, Ltd., Oakville, Ontario, has elected Earl D. Moffat a director and vice-president. For the past year Mr. Moffat has been general manager of the company and will continue these duties in addition to his new responsibilities.

The company, at a recent board of directors meeting, re-elected Leo E. Ryan president and Adolph Monsaroff vice-president and at the same time reappointed John Jekel secretary-treasurer.

Budget Post to Pearson

Rowland R. Hughes, director of the Bureau of the Budget, has announced the appointment of Harold L. Pearson as an assistant director. Mr. Pearson was deputy Under Secretary of the Army from May, 1952, until February, 1954, and currently is serving with a task force of the Commission on Organization of the Executive Branch of the Government.

Acetonitrile Data Offered by Carbide

An eight-page technical bulletin on acetonitrile has been released by Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation. Data on acetonitrile's constant-boiling mixtures, solubility for diverse materials, uses, suggested applications, and a bibliography are included. Copies of the bulletin (F-7501) are available from Carbide & Carbon at 30 East 42nd street, New York 17.

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Textile and Leather Chemicals

Buying interest improved for textile and leather chemicals last week, and consumers absorbed larger quantities for prompt requirements. Market tone remained steady, at unchanged quotations for most materials. Egg albumin and yolk became stronger with the higher egg market. Flake albumin advanced 4 to 6 cents per pound and yolk 6 to 10 cents per pound, according to seller, while technical albumin was reduced 2 cents per pound in some directions. Potato starch also was firmer. Idaho grinders advanced prices fractionally, due to the higher cost of potatoes. Maine starch was quotably unchanged, but steady, also as a result of increased cost of potatoes.

Among other sizing materials, tapioca flour was in better request, consumers placing orders for sizable lots for prompt delivery. A good movement was reported in corn starch and dextrin against current orders. Sago flour was in light demand for immediate delivery.

Trading in tanning materials continued spotty, chiefly for prompt shipment. The volume of purchases was still light, and tanners showed little interest in forward deliveries. Stocks at primary centers were ample to meet current business and offers for shipment were quite liberal at unchanged quotations.

Cotton spinning industry in March operated at 125.3 percent of capacity, according to the Census Bureau, compared with 128.1 percent in February and 139.5 percent during March last year.

The Department of Agriculture has announced representative loan rates for shorn and pulled wool and other wool price support program details for the 1954-marketing year. The rates are based on the national average support price of 53.2 cents per pound of wool, grease basis, which is 1.1 cents higher than the minimum price announced on December 9, 1953. The national average wool support price is equal to 90 percent of the parity price for wool. While most loans will be made on grease wool, the prices quoted are on clean wool per pound, Boston basis.

Price Trends

Advanced

Egg albumin flake, 4c. to 6c. per lb.
Yolk, 6c. to 10c. per lb.
Potato starch, Idaho, ½c. per lb.

Reduced

Egg albumin, tech., 2c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
95.64	95.24	95.66	103.11

(For Current Prices see page 9)

Chemicals

Bichromates — Production of sodium bichromate in February totaled 7,810 tons according to the Census Bureau, compared with 8,126 tons in January and 7,440 tons, February last year. Stocks at producing plants amount to 6,599 tons on February 28 against 6,050 tons, January 31, 1954. Market remained on a steady basis, with consumers taking sizable lots against former contracts.

Sodium Acetate—Demand was confined to prompt requirements. Quotations were without change.

Sodium Hydrosulfite—Business was reported fairly active, chiefly for prompt delivery. Prices were steady. Production in February was indicated at 1,753 tons by the Census Bureau, compared with 1,888 tons in January and 2,106 tons in February last year. Stocks at producing plants totaled 1,185 tons, February 28 against 1,382 tons January 31.

Sulfonated Oils—Firmness of tallow was reflected in sulfonated. Consuming demand was moderate, for all varieties with most sales restricted to actual needs.

Sizing Materials

Corn Dextrin—Business was reported spotty and for immediate needs. All grades were maintained at former levels. Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary, $8.69; dark, $8.79, and white, $8.53, same basis. Less carlots were 15c. per 100 pounds.

Corn Starch—Consumers absorbed fair sized lots for prompt needs. Market was quotably unchanged and steady. Pearl was held at $7.14 per 100 pounds, carlots, New York delivery, and powder $7.25, same basis. Less carlots were 15c. higher. Visible corn supply continued to decline, dropping 1,571,000 bushels to 22,438,000 bushels for the week ending April 23, compared with 28,631,000 bushels for the same time last year, according to the Chicago Board of Trade. Corn stocks in all storage positions on April 1 set new records for that date, it was announced by the Department of Agriculture. Stocks totaled 1,987,664,000 bushels, against 1,797,551,000 bushels, April 1 last year.

Egg Albumin — Flake albumin was sharply higher with the increased cost of shell eggs. Prices were lifted 4c. to 6c. per pound depending upon seller. Flake was quoted at $1.69 to $1.73 per pound, as to seller and quantity and powder, $1.73 to $1.77 per pound. The technical grade was reduced 2c. per pound in some directions with quotations ranging from 93c. to 96c. per pound, spot as to quantity. Buying interest also, was more active with consumers taking moderate quantities for prompt delivery.

Egg Yolk—Yolk also was stronger, with prices advancing 6c. to 10c. per pound as to seller. Spot stocks were quoted at $1.12 to $1.14 per pound, according to quantity and seller. Trading was still spotty, but larger quantities were moved at higher levels.

Potato Starch—A stronger tone featured this market. Producers in Idaho lifted the price ½c. to 6.30c. per pound, carlots, f.o.b. mills. Shipments to eastern points were 50c. per 100 pounds less. The Maine market was unchanged and steady at 6¼c. per pound, carlots, f.o.b. mills. Offers were limited and well held. Stocks on spot were quotably unchanged at 7¾c. to 8¼c. per pound, exwarehouse, as to quantity.

Tapioca Flour — Buying interest was fairly active from the food and paper trades. Market was quotably unchanged and steady. Stocks on spot were firmly held at prevailing prices. Javanese AAA was held at 7¼c. to 7¾c. per pound and AA, 7c. to 7½c. per pound, exwarehouse, as to quantity. Siamese flour of good quality was quoted at 7½c. to 7¾c. per pound, same basis. Offers from Brazil were still scarce. Brazilian flour on spot was unchanged at 13c. to 14½c. per pound, exwarehouse, depending upon seller and quantity.

Tanning Materials

Austrian leather footwear production for the first time in the postwar period amounted to more than 5,000,000 pairs in 1953. Actual output totaled 5,334,253 pairs, approximately a 20-percent increase over 1952 production of 4,432,133 pairs. Of the 1953 production, 1,851,500 pairs were made with soles of materials other than leather, increasing by almost 50 percent over 1952.

Cutch—Offers for shipments were maintained at 8½c. per pound, carlots, exdock, plus duty. Trading was reported light.

Mangrove Bark—Trading was spotty and restricted to prompt shipment. Stocks were ample. African bark was quoted at $69 per ton exdock; Ecuadorian, $54 to $55 per ton, and Colombian, $58 to $59 per ton, same basis.

Myrobalans — Business was light and spotty. Shipments were without change. Assorted JI's were quoted at $47 to $48 per ton exdock; crushed JI's $62 to $63, and ordinary $43 to $44 per ton, same basis. Solid extract was held at 7½c. per pound, exdock.

Quebracho Extract—Business continued spotty, with tanners limiting purchases to immediate or prompt shipment. Shipments were quotably unchanged and steady. Solid ordinary was held at 11 31/64c. and clarified 12 3/16c. per pound, exdock, plus duty.

Valonia — Consuming demand lagged. Shipments were held at former levels. Beards were quoted at $65 per ton, exdock, and cups, $50 per ton, same basis. Extract ranged from 9c. to 9¼c. per pound, exdock, plus duty, as to quality.

Wattle—Tanners operated in a hand to mouth manner, restricting purchases to prompt shipments. Stocks were adequate and offered freely. Prices were without change. Fair average bark was quoted at $98 per ton, and merchantable, $94 per ton, ex-dock. South and East African extracts 60 percent tannin, were offered at 10c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

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Coal Chemicals

Firm prices were maintained for coal-tar chemicals last week. Several areas of demand for basic products and intermediates were showing improvement, with the general increase of business tempo.

Demand for tar acids was a little better, according to some sources, while almost all producers rated activity for cresols and cresylic acid as good. Buying interest from cresylic resins and other end-uses has held up. Natural phenol was showing a little improvement. Synthetic material has gradually improved in the volume of movement. There was still ample phenol to take care of needs.

Domestic crude naphthalene was firming up. Reduced coking operations have resulted in lower production rates of all coal chemicals. Nevertheless, there was ample capacity to handle increases in crude naphthalene needs. Offers of imported 78-degree material were still scarce. But, it was felt to be partly a matter of price, as well as reduced coking operations in Europe and a sustained demand for phthalic there.

The complexion of the toluol market, particularly in the east, has changed in a little over a week. A flurry of activity for export, plus reduced operations and some increase in domestic buying have brought on the change. There has been limited movement for nitration in April and not much was anticipated for May. However, many suppliers have already reached a sold-up position for May without military buying. Xylol remained in tight supply. Benzol was in a better position. Producer's inventories varied slightly, but no one was in a distressed position any longer. Creosote demand was picking up as warmer weather increased railroad maintenance operations. Improvement was also noted for refined pyridine. Phthalic anhydride moved steadily.

Steel operations in the week ending May 2 were scheduled to be at 68.4 percent of capacity, or an index rating of 101.6 (1947-49=100), according to the American Iron and Steel Institute. This was equivalent to 1,632,000 tons, compared with 1,636,000 tons produced the previous week, 1,643,000 tons one month ago, and 2,262,000 tons one year ago.

Basic Products

Benzol—Producers continued to see a better market for this aromatic. Much of the heavy inventory held several months back has been cut down and in some instances producers have almost eliminated stocks at one or two shipping points. There were some sources who still had inventories. But, those suppliers said that it was no longer a case of inventory distress. It was felt that the movement of coaltar industrial benzol for motor outlets was virtually eliminated by now. There was no need to take a reduced price for benzol, particularly when a good price could be obtained for export material, a source added.

Reduced operations in the steel industry have cutback the volume of light oil production enough to show its influence in the benzol market. Then too, increased demand from insecticides, a very good call from styrene and steady improvement in synthetic phenol demand, have all contributed to the better market picture presented for benzol today. Price schedules were firm at the 40c. level.

Creosote—Demand in this market has improved, producers reported. The call for material has picked up as the warmer weather set in and railroad maintenance operations increased. Whereas stocks had been rather heavy early in the first quarter, the present market was in an approximate balance between supply and demand, it was said. With tar production off, creosote output was no longer running way ahead of orders, a source added. Producers have been cutting into inventories to meet current needs of consumers.

Creosote oil production in February totaled 9,851,935 gallons, while January output had been 10,208,231 pounds, according to the Tariff Commission.

Tar distillers accounted for 7,799,588 gallons in February as against 7,332,961 gallons (revised) in January. Cokeoven operators turned out 2,052,347 gallons of the monthly total in February and 2,875,270 gallons in January.

Cresols—A fairly good sales pace was maintained for these tar acids. There was a slight amount of improvement in buying interest noted in the past week or so, by some sources. General demand from tricresyl phosphate, cresylic resins, aircraft engine cleaners, and wire enamels has held up well. There had been some slackening in various directions for a while, but the gaps seem to be filling in once again. Price quotations held up at former listings. Adequate supplies were available to meet consumption requirements.

February production of meta-para isomers totaled 1,192,275 pounds, while January output was 981,967 pounds, according to Tariff Commission information.

Mixed ortho-meta-para isomers were produced in the sum of 1,408,031 pounds in February and 1,615,657 pounds in January.

Cresylic Acid — Price schedules remained firmly established at former quotations. Most sources reported a fairly steady level of business, although there has been a little better buying noted. Demand from tricresyl phosphate continued to hold up well. The number of calls from cresylic resins was relatively good. Material still moved in the direction of carbon removers for aircraft engines too. No shortages of acid were noted, supplies of all grades were generally sufficient to accommodate current consumption. It was felt that a steady improvement was beginning to show up along with a general increase in business levels.

Naphthalene—Producers reported that the market for crude domestic material is firming up. A show of strength for imported hot-pressed material in the past few months has had something to do with the stronger tone for domestic crude. The cutbacks in coking operations have also improved the situation. However, there was apparently no shortage of domestic 78-degree naphthalene. More material could be extracted to take care of any buildup in demand.

Prices for imported 78-degree crude were within the same range of quotations, at 4½c. to 4¾c. per pound. However, it was said that there was very little business being done at that level. Also, foreign producers were not offering naphthalene very frequently. Trade sources felt that many European suppliers were temporarily staying away from this market because they could not get a high enough price. It was added that hot-pressed naphthalene was not so scarce abroad that it could not be obtained at all. It was felt the material was there, but suppliers were waiting for the market to firm up.

Phenol—The market for natural technical grades was coming along a little better, similar to increases noted for other tar acids. Buying interest for synthetic phenol has been showing a gradual improvement right along. Business for phenolic resins has moved at a good, steady pace and has resulted in a small increase for phenol as spring activity picked up a bit. Price schedules for USP and technical grades of phenol remained firm and unchanged. Ample material is available to meet current consumption requirements. Production is capable of handling a larger demand.

Total output of synthetic and natural

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
114.56	114.56	114.56	113.71

(*For Current Prices see page 9*)

Production Estimate

Estimated output of coal chemicals recovered from cokeoven operations during the week ending May 2, was as follows:—

Ammonia liquid, NH_3	lbs.	762,544
Ammonium sulfate	lbs.	27,560,530
Benzol	gals.	2,636,225
Coaltar	gals.	12,091,774
Creosote oil	gals.	675,396
Naphthalene, crude	lbs.	1,862,787
Pyridine, refined	lbs.	19,605
Toluol	gals.	518,530
Xylol	gals.	138,347

For Late Market Developments, See Page 4

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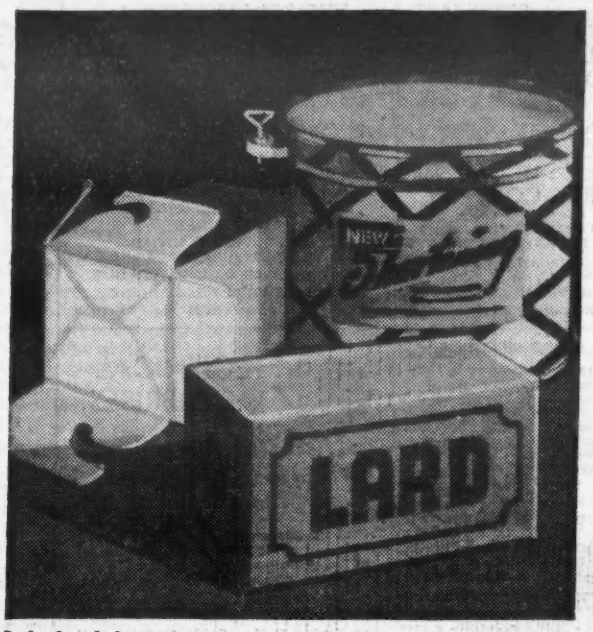

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phenol in February was 28,318,977 pounds (partly estimated), while production of the same USP and technical grades in January amounted to 30,458,136 pounds (revised), information received from the Tariff Commission indicates.

Pyridine — Some improvement in the amount of activity was reported in the market for this tar base. Producers said that demand was a little better. One supplier stated that the month of April has been a much better sales period than any of the previous six months.

There were still ample supplies to take care of all anticipated needs. Price schedules remained firm at former listings.

Toluol—Producers reported that the unexpected has happened. The eastern market is now on the tight side. Reduced coking operations have cut the overall amount of toluol available. Further, a good export demand and a steady domestic industrial demand have taken what toluol was available. This was all despite the fact that government buying for the arsenals was stopped in March and only limited in April. Output had been greatly expanded when defense needs required so much material and some sources had not believed that civilian demand was going to be able to absorb it quickly when defense stockpile goals were met.

Reduced coking operations were a factor, as was the current flurry in export activity. It was said that a bid for 1,000 tons for Yugoslavia increased the tempo for exports. Many domestic buyers were ordering now, it was felt, because they had held off so long, expecting a general price decline, that they were now forced to buy. Several suppliers said that they were already in a soldup position for May production of toluol.

February output of toluol by cokeoven operators, and all other sources amounted to 10,197,724 gallons, compared with January production of 11,743,692 gallons, Tariff Commission figures relate. Cokeoven operations accounted for 2,686,940 gallons in February and 2,985,655 gallons in January. Tar distillers and petroleum operators are included in the "other" sources, which produced a total of 7,510,784 gallons in February and 8,758,037 gallons in January.

Xylol—A fairly good demand for this aromatic has kept up right along. Supplies continued to be tight. Buying from industrial finishes and plasticizers was good. A good volume of orders from alkyd resins was expected to hold up, as industrial finishes are picking up with improved business levels. No revisions in xylol schedules were noted last week.

February production of xylol amounted to 8,675,170 gallons, compared with January output of 12,142,245 gallons, according to Tariff Commission figures.

Intermediates

Acetanilide—Production of USP and technical grades of acetanilide in February totaled 400,400 pounds, compared with January production of 247,313 pounds, according to latest Tariff Commission figures.

Aniline—Output in February amounted to 9,052,268 pounds, as against 8,112,415 pounds produced in January, figures from the Tariff Commission relate.

o-Dichlorobenzene—A good demand for ortho for use in aircraft engine cleaners has persisted. However, the market was not in quite as tight a supply position as it had been. A very good demand for p-dichlorobenzene has come along and permitted increased output without fear of too heavy a buildup of para while ortho needs were being met. Price schedules for ortho have held firm and unchanged.

Monochlorobenzene—The overall picture of the market was still quiet, trade sources reported. The pickup in export demand for DDT has not had much effect on the mono market, it was said. Prices were firm and unchanged. Ample supplies were available for consumption requirements.

February output of mono amounted to 25,480,274 pounds, whereas January production was 26,077,321 pounds, information from the Tariff Commission relates.

Phthalic Anhydride—Most producers felt that the volume of sales for phthalic was currently quite good. Producers sold a steady amount to alkyd resins and plasticizers. Although the volume was good, and compared favorably with last year at this time, most sources were able to handle a larger demand. Increased production capacity was part of the answer to this picture. Price schedules have held firmly to former levels.

Output of phthalic in February, which was partly estimated, amounted to 19,227,636 pounds, while January production came to 21,409,391 pounds in January, according to Tariff Commission figures.

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Hydroxyquinoline Patent Suit Against Gamma Is Dismissed

The suit against Gamma Chemical Corporation, New York, brought by Darsyn Laboratories early in 1950 for patent infringement was dismissed last week by judge William F. Smith of the US District Court. The plaintiff, Darsyn Laboratories of Hawthorne, N. J., a subsidiary of Metalsalts Corporation, had charged Gamma with infringement of patent No. 2489530 for the manufacture of hydroxyquinoline. The complaint asked for an injunction restraining the alleged infringement and for damages after assessing the amount lost by Darsyn through the violation.

In the trial which began in May, 1953, Gamma agreed that it was engaged in the manufacture of hydroxyquinoline but denied the charge of infringement. Gamma rested its defense solely on the testimony offered by the plaintiff submitting no other testimony in support of its denial. Darsyn's testimony, according to the opinion of judge William F. Smith, "not only failed to prove the charge of infringement but in fact disproved it." Charges that Gamma had conspired to convert to its own use the trade secrets of Darsyn were also dismissed.

Polyethylene Sink Unit Offered

Arthur S. LaPine & Company, Chicago, Ill., has made available a polyethylene sink unit consisting of stopper, high level drain, strainer, lock-nut, plug, trap, and outlet union. The company announces that the unit is dent-proof, break-proof, and resistant to alkalies, mineral acids, fluorine compounds and hydrofluoric acid. The trap can be removed, emptied, rinsed and replaced in a matter of seconds without tools or washers.

Bids Wanted

Calcium hypochlorite, 300,000 lbs., inv. CML-30-070-54-167B, May 10, N. Y. Chem. Procurement District, 180 Varick St., N. Y. 14, N. Y.

Gases, for period from July 1, 1954, thru June 30, 1955, inv. 3, May 6, Vets. Adm. Hospital, Supply Officer, Bedfod, Mass.; for period from July 1, 1954, thru June 30, 1955, inv. 5, May 11, Vets Adm. Hospital, Supply Officer, Tuscaloosa, Ala.

Insecticide, 30,000 DDT aerosol bombs, low pres. valve dispenser type, inv. SF-8522, May 11, Gen. Services Adm., Business Service Center, Region 9, 49 4th St., San Francisco 3, Calif.

Lime, hydrated, for period from July 1, 1954, thru June 30, 1955, inv. 6, May 11, Vet. Adm. Hospital, Supply Officer, Bedford, Mass.

Methanol, 3,000 gals., spec. AXS-875, inv. 34, May 12, Rocky Mountain Arsenal, Denver, Colo.

Paint, 4,000 gals. latex base paint, interior, inv. 3G-43869-R, May 7, Gen. Services Adm., Emergency Procurement Service, Gen. Services Regional Office Bldg., 7th & D Sts., S.W., Washington 25, D. C.; 200 gals. enamel, interior, semi-gloss, 221 gals. enamel, gloss, syn., air-drying, black, 220 gals. gray paint, rubber base, 100 gals. varnish, interior, flat, shall contain metallic stearate for flattening agent, inv. SF-8561, May 11, Gen. Services Adm., Business Supply Center, Region 9, 49 4th St., San Francisco 3, Calif.

Sodium hydroxide, 54 40-lb. dms., tech., for cleaning, inv. SF-8525, May 10, Gen. Services Adm., Business Service Center, Region 9, 49 4th St., San Francisco 3, Calif.

Zinc oxide, 3,575,000 lbs. grade I, Class A, 531,476 lbs. grade II, inv. CML-30-070-54-173B, May 11, N. Y. Chem. Procurement District, 180 Varick St., N. Y. 14, N. Y.

Monsanto Organics Position In New York to LaGrange

Lester LaGrange has been appointed technical sales representative in the New York sales offices of Monsanto Chemical Company's organic chemicals division. Mr. LaGrange replaces A. G. Rossow who resigned recently. He will be responsible for the sales development and technical service of the division's products in the New York district.

Mr. LaGrange was employed by Monsanto as a salesman in 1949. Since 1951 he has worked in the company's isocyanates sales department.

FTC Liberalizes Price Discrimination Views

—Continued from page 4

gaged in the sale of household pectin at wholesale."

The opinion first considers the test for determining injury to competition in territorial discrimination cases where the alleged injury is in the primary line. It takes issue with the suggestion by the hearing examiner that there is a different rule in testing the legality of price discrimination, depending on whether the complaint charges injury to competition among competing purchasers or whether it charges injury in the primary line—that is, to competition among sellers.

The examiner had stated that in cases of alleged injury to competition in the primary line, "the inquiry is of a broader and more general nature. In such cases the important question is not whether a particular seller may have lost business but rather whether competition in the area in question has been or is likely to be substantially injured. In short, whether there is a substantial tendency toward monopoly."

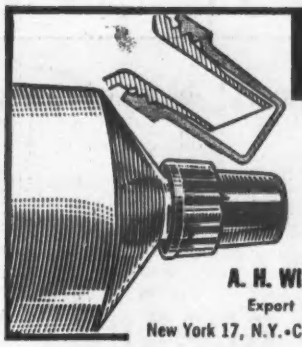
Gwynne on 'Proper Subjects'

Commenting on this statement, Mr. Gwynne's opinion says "it is true that in such cases injury to competition and a tendency toward monopoly are proper subjects of inquiry. But, we do not believe the law makes the distinction between competitive injury to sellers and competitive injury to their customers that the above statement would seem to indicate. Both sellers and customers are equally under the protection of section 2(a). The test is the same in either case. The standard for determining the unlawfulness of an unjustified price discrimination, namely, the substantiality of the effects reasonably probable, is the same whether the competitive injury occurs at the seller level or at the customer level. The fact of injury is to be determined in all cases by a consideration of all the competent and relevant evidence and the inferences which may be reasonably drawn therefrom. Under differing circumstances the proof necessary to establish injury or even to make out a prima facie case will differ."

The opinion cites the Morton Salt case of 1947, in which the Supreme Court of the United States considered "permissible inferences of injury where the discrimination was between competing customers." It says that this doctrine "could not automatically be applied in cases of territorial price discrimination, even in the case of customers."

Mr. Gwynne distinguished between a denial of injurious price discrimination and the various justification defenses, such as cost justification, good faith meeting of competition, etc. He pointed out that the burden of "affirmative justification is on the party charged with the violation. The facts which such a party must show are facts concerning which he would have peculiar means of knowledge. Therefore, congress put on him the burden of rebutting the prima facie case." But he added, "As to the fact of competitive injury, however, such a party would ordinarily have no peculiar knowledge of means of knowledge. We should not assume that congress meant to apply the same rules of proof to these clearly different situations unless it said so in clear and unequivocal language."

The majority agreed with Hearing Examiner Pack "the evidence failed to establish a prima facie case in support of the complaint." It declared that the examiner "had opportunity to observe the witnesses both on direct and cross-examination and his findings are to be given proper weight."



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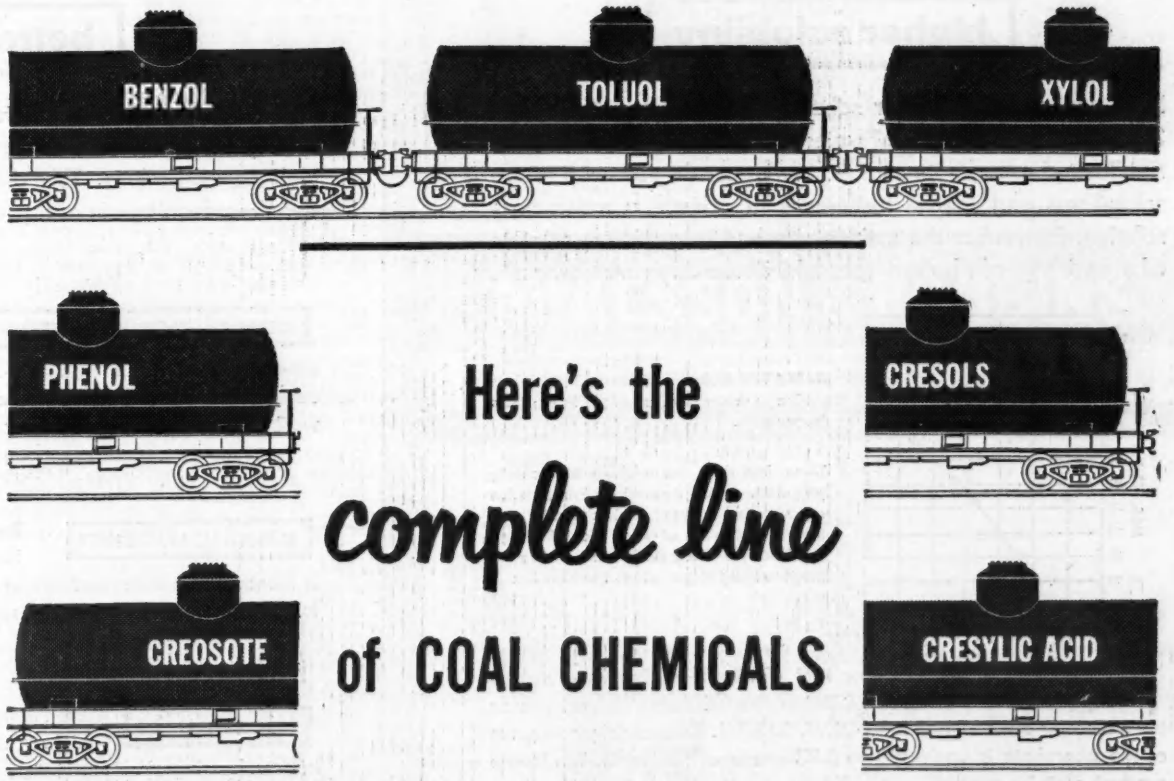

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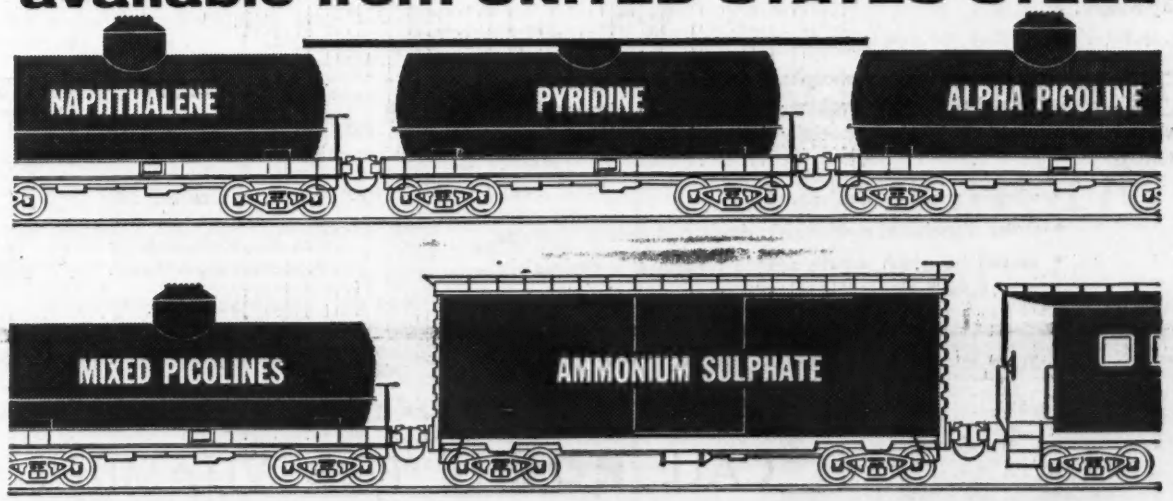

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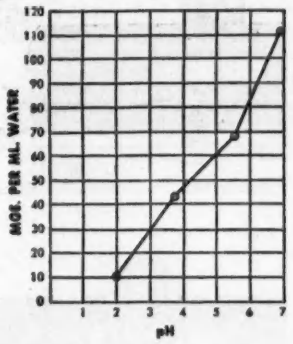

SOLUBILITY of Roche riboflavin-5′-phosphate sodium in water at different pH levels; room temperature.

These data show that solubility of Roche B_2 phosphate sodium depends on hydrogen ion concentration in water. It is useful to note that the solubility of riboflavin U.S.P. (approximately 0.12 mg. per ml.) inserted on this graph would fall just above the base line.

SPECIFICATIONS Tests show that riboflavin-5′-phosphate sodium (M.W. 514.4) has the full theoretical activity on the molecular basis of riboflavin (M.W. 376.36). Theoretically one gram of the phosphate is equivalent to 0.73 grams of riboflavin. The Roche product contains small amounts of moisture, disodium salt, diphosphate ester and unesterified riboflavin. It has a riboflavin activity of 70-73% by weight.

USES The new riboflavin-5′-phosphate sodium, probably the most important riboflavin development since Roche introduced the vitamin commercially in 1941, is specially designed for use in manufacturing:

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- water-dispersible multivitamin drops and gelatin capsules
- tablets (in which rapidly-soluble riboflavin is desirable)

better taste

Roche riboflavin-5′-phosphate sodium does not have the intensely bitter taste of riboflavin itself. It is more palatable in high concentrations. This different taste characteristic is of definite advantage in oral preparations.

SOLUBILITY—TASTE DEMONSTRATION You can prove to yourself, easily and quickly, the solubility-taste advantages of Roche riboflavin-5′-phosphate sodium with the Roche demonstration kit. Ask your Roche representative to show it to you. Or we'll be glad to send one, without charge, at your request.

BIOLOGICAL AVAILABILITY Roche riboflavin-5′-phosphate sodium has immediate biological activity because it is identical with the natural flavin mononucleotide occurring in the "yellow" respiratory tissue enzyme system.

COST COMPARISON Even though the cost of Roche B_2-5′ is somewhat higher than regular riboflavin, its use can result in actual savings. You eliminate expensive solubilizers and unnecessarily large amounts of niacinamide. You reduce or eliminate costly complaints and returns. You are able to make manufacturing economies.

STABILITY

Roche riboflavin-5′-phosphate sodium (riboflavin-5′-phosphate ester monosodium salt dihydrate) in general has the same stability properties as riboflavin.

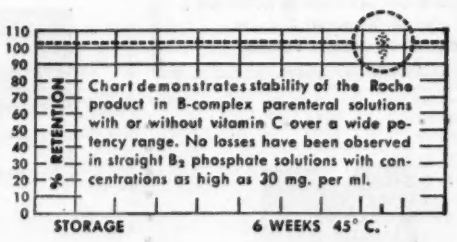

Chart demonstrates stability of the Roche product in B-complex parenteral solutions with or without vitamin C over a wide potency range. No losses have been observed in straight B_2 phosphate solutions with concentrations as high as 30 mg. per ml.

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Drugs, Fine Chemicals, Botanicals

Crude iodine was reduced 15 cents per pound last week. The move was initiated by the producer of Chilean crude iodine and followed by the domestic producer. Dealers in Japanese crude expected to meet the price cut on spot sales. Official confirmation from Japanese producers was expected to take some time but there appeared to be little doubt that they would go along. In the current market, with the plentitude of supplies on hand, economic survival depends upon meeting competition unless the quality of a product warrants the payment of a price premium by consumers, willing to do so.

The tartrates were reported to be moving at a steady level. The approach of warm weather with its stepped up consumption of bottled drinks was expected to be reflected in increased demand for tartaric acid and cream of tartar used in this and other hot weather items. Supplies were adequate for consumer needs and no difficulty was anticipated in meeting requirements in the coming months.

Other tartrate derivatives such as Rochelle salt and tartar emetic were reported to be in fair demand. Prices on these compounds were unchanged and the market was expected to continue firm in view of the firm market position in tartrates. Citric acid was reported to be moving at very good levels, with the peak of the seasonal demand due in the near future. The vast number of enduses for citric acid has resulted in a heavy year-round consumption which is supplemented substantially by the boost in the production of soft drinks during the warm weather months.

The price schedule on bulk adrenocorticotropic hormone (ACTH) was noted to have declined $5 per gram since last reported. The steady lowering in price of this item was expected to have the overall effect of increasing consumption, since the price has been a potent factor in holding down consumer demand, it was said. Supplies were ample for current inquiry.

Price Trends

Advanced
None

Reduced
ACTH, bulk, $5 per gram.
Iodine, crude, 15c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
71.84	71.91	71.91	74.21

(For Current Prices see page 9)

Citric Acid—Demand for citric acid was reported to be moving into its seasonal uptrend. Consumption of citric acid in the manufacture of bottled beverages is considerable and the seasonal increase in consumption of citric acid in this industry, in addition to other consuming sources of citric, combines to make the coming warm weather months the period of peak consumption for the year.

Cream of Tartar—Demand for cream of tartar was reported to be at generally good levels. Supplies were currently adequate to accommodate consumer demand and were expected to continue. Prices were steady.

Iodine—The price of crude iodine was reduced 15c. per pound last week in the first price cut in this item since June of last year. The initial price cut was made by the producers of Chilean crude iodine. This was followed by a similar price drop by the domestic producer of crude iodine. The current schedule on the crude was $1.15 per pound.

Japanese producers were expected to go along with the price cut. Over the past year there has been much less Japanese crude brought in, according to trade sources, since it had become less profitable than during the period prior to June, 1953, when domestic and Chilean crude had been priced at $1.84 and Japanese producers had been cutting heavily into the domestic market by undercutting this price. The latest price cut amounts to a total reduction of 69c. per pound in the price of crude in less than 11 months. Whether Japanese producers will be a significant market factor in coming months remains a matter for conjecture, it was said, but the latest price cut was sure to cause them added discomfort, it was said.

Milk Powder—The markets were generally barely steady. Offerings were relatively heavy, and demand mostly limited to immediate needs only. Purchases by the CCC for the week April 15-21 inclusive, aggregated 10,287,847 pounds at 15c. of spray powder and 1,013,875 pounds of roller process at 13¼c. Total purchases since April 1, 1954, amounted to 16,868,118 pounds of spray process and 1,632,935 pounds of roller process. Sales of total nonfat dry milk solids during February, as shown by reporting manufacturers, equalled 82,541,000 pounds, highest of record for the month, unchanged from the previous month, but up 8 percent from a year earlier.

Manufacturers' selling prices of total nonfat dry milk solids averaged 15.11c. per pound during February compared with 15.22c. in January, 15.96c. for a year earlier and a five-year average for the month of 13.43c. Spray-dried nonfat milk solids prices averaged 15.49c. for February, only slightly lower than the preceding month, but nearly .9c. down from a year earlier. Prices of roller-dried nonfat milk solids at 13.07c. per pound during February were almost ¼c. lower than the preceding month and about 1c. less than a year earlier.

Molasses — The Gulf area leads the slump in feed molasses demand as prices continue unchanged at most points during the week ending April 27, 1954. New Orleans cane blackstrap price remains at 10¾-11 cents per gallon. East coast blackstrap prices were steady with Albany at 12½ cents per gallon. Feed molasses demand was generally slow to moderate on the east coast and moderate on west coast. Production of blackstrap at Clewiston, Fla., will be ended for this season in about two weeks. Supplies of citrus molasses were exhausted at Ocala, Florida, but are adequate at most other Florida points. Beet molasses prices for Chicago will not be reported until fall production commences, as supplies are no longer available at that point. Hydrol molasses demand continued good with limited supplies. Production of Cuban blackstrap as of April 15, 1954 was 188,100,000 gallons according to the Cuban Sugar Stabilization Institute. As of same date in 1953, production amounted to 191,300,000 gallons. Yield of blackstrap per short ton raw sugar as of April 15, 1954, was 42.2 gallons. This compares with a yield of 45.5 gallons as of same date 1953.

Fifteen Cuban mills are currently engaged in hi-test molasses production according to trade sources. Movement of 1954 crop blackstrap out of Cuba is slower than had been expected. Of the 139,500,000 gallons sold, only 20,800,000 gallons had been shipped as of April 15, 1954.

Rochelle Salt—Demand was said to be steady. Supplies were ample for current inquiry and were expected to continue in the immediate future. Prices were currently 32½c. in carlot quantities; 33c. in $5,000 pound lots and 33½c. to 38½c. in smaller lots.

Silver Nitrate — Demand for silver nitrate was reported to be at routine levels. Supplies were ample and prices unchanged.

The Bureau of the Census reported that production of silver nitrate (100 percent $AgNO_3$) totaled 5,580,000 ounces in February, 1954, compared to 5,196,000 ounces in January and 5,384,000 ounces during February last year. Stocks of silver nitrate at producing plants totaled 3,033,000 ounces as of the end of February, 1954 compared to 2,856,000 ounces on hand at the end of the preceding month.

Tartar Emetic—Demand for this compound was reported to be at fair levels. Prices were steady and supplies were ample for current inquiry.

Tartaric Acid—Demand for tartaric acid was reported to be moving into a seasonal increase in demand. Consumption of tartaric acid in beverage manufacture varies directly with consumption of the soft drinks, it was said. The price structure on domestic tartaric acid was quite firm in view of the strong market in argols abroad. Argols are the raw materials used in the manufacture of tartrates and replacement costs are closely followed since they bear directly upon the cost of manufacture of the latter. Another potent factor which was expected to keep prices on a steady keel was the anticipated increase in tartrate consumption in the coming months.

The current price schedule on domestic tartaric acid was 37c. per pound in carlots, 37½c. in 10,000 pound lots, one shipment, and 38c. in smaller lots. Imported tartaric acid was pegged at 32c. in quantity lots.

Vitamins—Demand for synthetic vita-

For Late Market Developments, See Page 4

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mins was reported to be moving at generally good levels. Supplies were ample for current inquiry and producers were reported to be in a position to future consumer needs, it was said. Prices held unchanged.

The Tariff Commission reported that production of ascorbic acid and salts aggregated 142,813 pounds in February compared to 186,089 pounds during January this year. Production of niacin and niacinamide totaled 189,399 pounds in February, 1954, compared to 171,747 pounds in January. Production of pyridoxine (B_6) aggregated 2,804 pounds in February compared to 2,198 pounds in January. Thiamin derivatives (B_1) production totaled 16,494 pounds in February compared to 18,653 pounds in January.

Botanicals

The spot botanical drug market continued to display strength despite the general falling off in the consumption of many items that are used in the formulation of winter drug items.

There was a likelihood that, as the collections of new crop material progresses, that prices may ease on some items currently in a not too plentiful supply. Trading volume continues at a seasonally slow pace.

Aconite Root—Demand for this item was said to be at routine levels. Spot prices ranged from 50c. to 55c. per pound. Supplies were ample for current inquiry and were expected to continue in the immediate future.

Aloe—The market was essentially unchanged. Demand for aloe was steady and supplies on the Cape and Curacao qualities were reported to be adequate to meet consumer inquiry. Spot prices were quoted at 32c. for whole Cape aloe and 45c. for the powder. Curacao aloe ranged from 50c. to 55c. per pound, while no prices were reported for Socotrine aloe.

Areca Nut Powder—Spot prices on this commodity were quoted at 15c. to 16c. per pound. Supplies were proving ample to meet consumer needs and no significant changes were expected, it was said.

Cohosh Root — The spot market was quiet. The price range on both the black and blue varieties was from 22c. to 25c. per pound.

Colocynth Pulp—Demand was said to be moving at unchanged levels. Supplies were ample for current inquiry and spot prices ranged from 25c. to 30c.

Gum Arabic—The market abroad was reported to be reasonably firm. Demand on spot business was noted to have eased somewhat in face of the higher prices asked. Prices remained at 19c. on amber sorts and 23c. to 24c. on the powdered, USP, material.

Gum Karaya—The spot market registered a relatively light demand. At source the market was reported as being very firm. With the monsoons beginning in gathering areas, collections are expected to be cut down to nil. There remains no substantial unsold quantities abroad and from all indications the market could be expected to continue firm on spot, for the next few months, trade sources averred.

Licorice Root—Demand for licorice root was said to be at steady levels. Supplies were coming in without FDA detentions noted to be on a much smaller scale than they had been some months ago. Quality of root brought was reported to be much higher as a result of more meticulous cleaning of the root at the source.

Locust Bean Gum—The spot market was steady. A firmness noted in the market at source was said to have stopped price shading here to a good degree and observers foresee a stable market in the immediate future.

Orris Root—The domestic market on this botanical was reported to be firm in view of the strength noted in the market at the source. Unsettled conditions in gatherings areas have been reflected in diminished collections, it was noted. Currently spot prices on the Florentine root ranged from 35c. to 40c. on the whole and from 40c. to 43c. on the powder.

Papain—The market was quiet, on the whole. The enactment of government standards last month in Ceylon governing the export of papain was said to have upped the quality of papain imported from that source. There were some observations made in the trade that demand for Ceylonese papain might be expected to increase to the detriment of the African material in view of the assurance afforded buyers in the knowledge that export licenses on Ceylon papain are not issued unless the material in question passes Ceylon government specification. Current prices on African papain ranged from $4 to $4.50 per pound, with Ceylon papain pegged at $3 to $3.50.

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Nat'l Science Foundation Awards 159 New Grants

The National Science Foundation last week announced 159 grants totaling about $1,359,000 for basic research in the natural sciences, and to support studies and conferences in science, scientific information exchange, compilation of scientific personnel information, education in sciences, and travel of American scientists to international scientific meetings.

This is the third group of awards to be made during fiscal year 1954 by the foundation for the support of basic research and related matters. Since the beginning of the program in 1951, over 800 such awards have been made totaling about $7,371,000. Additional proposals are being evaluated by the staff of the foundation with the help of advisory panels of outstanding American scientists.

The research field included in the latest group of grants are astronomy, chemistry, development biology, earth sciences, engineering sciences, environmental biology, genetic biology, mathematical sciences, molecular biology, physics, regulatory biology, and systematic biology.

Obituaries

Frank B. Bigelow

Frank B. Bigelow, former director of nine Latin-American affiliates of Standard Oil Company of New Jersey, died April 24 in Summit, N. J. He was seventy-seven years old. Before retirement in 1936, Mr. Bigelow was vice-president of West India Oil Company, president of Standard Oil Company of Cuba, vice-president of Creole Petroleum Company, and a director and vice-president of Lago Petroleum Company.

Dr. Raymond C. Briant

Dr. Raymond C. Briant, director of the air nuclear propulsion project at Oak Ridge National Laboratory, Oak Ridge, Tenn., died April 2 in that city. He was fifty-two years old. Dr. Briant had been on the staffs of Mellon Institute of Industrial Research, Pittsburgh, Pa., and Johns Hopkins Institute of Co-operative Research, Baltimore, Md. He began his career with the United States Bureau of Standards in Washington.

DuVal R. Goldwaithe

DuVal R. Goldwaithe, chairman of the board of Interchemical Corporation, New York, died April 26 in Englewood, N. J. He was sixty years old. Mr. Goldwaithe became executive vice-president of International Printing Ink in 1931 and president in 1932. He became chairman of the board in 1937, at which time the company changed its name to the Interchemical Corporation. Previously he had been associated with Vacuum Oil Company and Congoleum Company.

Dr. Frederick DeForest Heald

Dr. Frederick DeForest Heald, a pioneer in the study and treatment of plant diseases, died April 24 in Spokane, Wash. He was eighty-one years old. Dr. Heald had served as head of the School of Botany at the University of Texas, state botanist of Nebraska, an agent in forest pathology for the Department of Agriculture, pathologist of the Chestnut Tree Blight Commission of Pennsylvania, and had been a faculty member of the University of Nebraska and Parsons College.

Prescott H. Walker

Prescott H. Walter, assistant vice-president of Carborundum Company, Niagara Falls, N. Y., died April 29 in that city. Mr. Walker joined the company in 1916 as an analytical chemist. He subsequently held the positions of assistant head of the ceramic department, general superintendent of bonded products, and works manager. In 1948 he became director of manufacturing and in 1952 assumed the position of assistant vice-president.

Lawrence S. Arnold, retired mining engineer, died last week in New York. He was seventy-three years old.

Burton B. Bayles, an agronomist with the United Nations Food and Agriculture Organization, died April 27 in Beirut, Lebanon. He was fifty-four years old.

Leo A. Buysse, sales manager of Eastern Case Division of Penick & Ford, Ltd., New York, died April 23 in Ridgewood, N. J. He was fifty years old.

Uriah S. Kolby, retired secretary-treasurer of the former American Eveready Company, now a subsidiary of Union Carbide & Carbon Corporation, New York, died April 25 in East Orange, N. J. He was eighty-one years old.

Edward Q. McVitty, retired member of the leather tanning firm of Leas & McVitty, Philadelphia, Pa., died April 25 in Princeton, N. J. He was seventy-nine years old.

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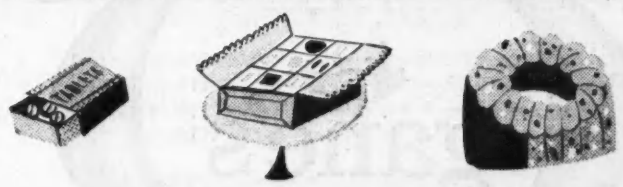

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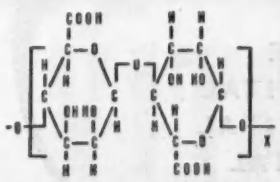

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NFA's June Convention Will Hear Benson, Cole

Secretary of Agriculture Ezra Taft Benson and Congressman W. Sterling Cole of New York, chairman of the joint committee on atomic energy in congress, will be the principal speakers at the annual spring convention of the National Fertilizer Association at the Greerbrier hotel, White Sulphur Springs, W. Va., June 14 through 16.

Other features of the program will include symposiums on sales development and on the granulation process in the production of fertilizer. Panels manned by authorities in these fields will participate in the symposiums, which are being sponsored by NFA's plant food research committee. Moderator of the panel on sales development will be H. H. Tucker, president of the Coke Oven Ammonia Research Bureau. Edwin C. Kapusta, NFA's chemical engineer, will moderate the panel on granulation.

The annual election will choose directors of the association to succeed members of the board whose terms will have expired. Following the last general session on June 16, the new board of directors will hold an organization meeting to elect officers for the coming year.

Congressman Cole, a leading advocate of the development of atomic energy for peaceful purposes, has been chairman of the joint committee on atomic energy since 1953, and has been a member of this group since its creation under the atomic energy act of 1947. He also is a member of the house armed services committee and of the Republican policy committee.

SBA Deputy Head Named

Robert H. Montgomery was appointed deputy administrator of the Small Business Administration last week after serving as director of SBA's office of management since December 1, 1953. Mr. Montgomery was formerly with the consulting management engineering firm of Stevenson, Jordan & Harrison, Chicago, and from 1950 to 1953 served with the Atomic Energy Commission as chief of the organization and management staff.

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Gen'l Amer. Transportation Names Pres., Other Officers

William J. Stebler was named president of General American Transportation Corporation, Chicago, and other officers were named at a recent stockholders meeting. Sam Laud was picked to fill the newly-created post of vice-president of the board. He has been with the company for thirty-eight years and was president from 1945 until his present reassignment. Mr. Stebler served for eight years as vice-president in charge of manufacturing prior to his promotion to executive vice-president in 1951.

The other new officers include Herman Altschul, who will be vice-president in charge of freight car sales; James S. Frey, vice-president in charge of manufacturing; and Frank E. Selz, vice-president in charge of the plastics division. Spencer D. Moseley was named assistant to the president.

Carbide Research Position Goes to Dr. L.W. Newton

Dr. Franklin Johnston, superintendent of research and development for Carbide & Carbon Chemicals Company, New York, a division of Union Carbide & Carbon Corporation, has named Dr. L. W. Newton assistant superintendent of research. Dr. Newton will serve as Dr. Johnston's aid and will be located at Carbide's South Charleston, W. Va., facilities.

Dr. Newton began his career in Carbide's research department at South Charleston and his work since has been in the fields of organic acids, plasticizers and nitrogenous substances. He was made a group leader in research during 1951.

GAF Elects New Controller

General Aniline & Film Corporation, New York, has elected Arthur J. Young controller to succeed Walter A. Hensel, who has been named assistant general manager of GAF's Ozalid division. Mr. Young had been controller of General Dyestuff Corporation and the dyestuff and chemical division of General Aniline. Until he became GAF controller a year ago, Mr. Hensel had been controller of the Ozalid division for three years.

Linseed Oil Sold by USDA

The Department of Agriculture last week sold an additional quantity of its linseed oil holdings at reduced prices for export. The department sold 200,000 pounds at 7.5 cents per pound, and 3,309,900 pounds at 7.2 cents per pounds. Sales were made on a competitive bid basis.

AIC to Honor Sparks

—Continued from page 5

sion on "Education for the Chemical Profession," with Dr. Harvey A. Neville, dean of the graduate school's department of chemistry at Lehigh University, acting as moderator. The following papers will be presented:—"Undergraduate Training," by Dr. Hubert N. Alyea, professor of chemistry, Princeton University; "Graduate Training," by Dr. Henry B. Hass, president of Sugar Research Foundation, Inc.; "Continuing In-Service Study," by Dr. Thomas H. Vaughan, vice-president in charge of research and development for Colgate-Palmolive Company, and "On the Part of Chemical Industry," by Dr. Per K. Frolich, vice-president for scientific activities, Merck & Co.

A luncheon will follow for gold medal recipients, honorary membership recipients and the current recipients of the chapter awards. During the afternoon the following papers will be presented:—"Security Versus the Challenge of a Vital Life," Dr. Lincoln T. Work, retiring AIC president; "Engineering Manpower," T. A. Marshall, jr., formerly with the Engineering Manpower Commission of Engineers Joint Council; "Psychological and Emotional Problems of Technical and Executive Personnel," by Dr. Lydia Giberson, Metropolitan Life Insurance Company; "Consultative Management," by Arthur Slade, of Rogers, Slade & Hill, and "Some Phases of Education," by Dr. Lewis Webster Jones, president of Rutgers University. This will be followed by a reception for Dr. Sparks and the presentation dinner.

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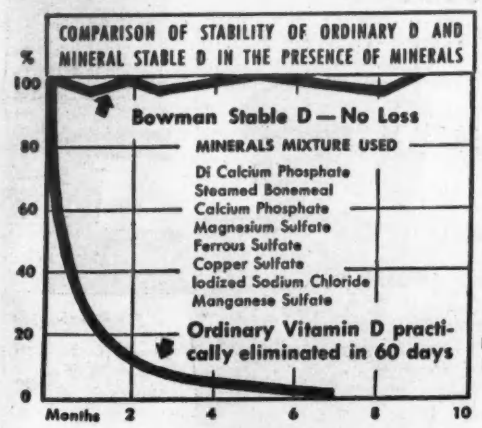

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34 dms, Ciba Co, Rotterdam
12 dms, Ciba Co, Havre
1 dm, C A Haynes, Hamburg
OIL—33 dms, Fallek Products Co, Liverpool
ANISE SEED—56 bgs, S B Penick & Co, Beirut
ANTHRACENE—50 bgs, All Transport Inc, Hamburg
ANTIMONY—60 kgs, Watson Geach, Glasgow
OXIDE—206 bgs, C Gitlan, Antwerp
SULFIDE—20 cks, C Gitlan, Antwerp
ARABIC GUM—254 bgs, Guarancy Trust Co, Port Sudan
ASCORBIC ACID—1 cs, Barth Levitt Products, Genoa
BARIUM CARBONATE—160 bgs, Baird Chemical Corp, Havre
BEESWAX—173 bgs, Alexandria
BERGAMOT OIL—38 hf cs, Messina
6 cs, Genoa
BUTTONLAC—50 bgs, Calcutta
CAFFEINE—10 cks, J H Schroder, Hamburg
CALCIUM FERROCYANIDE—100 kgs, Antwerp
GLYCEROPHOSPHATE—14 kgs, Gallard Schlesinger, Southampton
LACTATE—20 kgs, Gallard Schlesinger, Rotterdam
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56 bgs, World Commerce Corp, Rio de Janeiro
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HYDROCHLORIC—1,600 bgs, Pacific National Bank, Melbourne
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522 bls, A G Dunn, Rotterdam
401 bls, J Berlage, Rotterdam
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KARAYA GUM—367 bgs, Stein Hall & Co, Bombay
61 bgs, Max Van Pels, Bombay
134 bgs, Morningstar Nicol, Bombay
246 bgs, S B Penick & Co, Bombay
61 bgs, Lum M Allison, Bombay
123 bgs, Paul A Dunkel, Bombay
123 bgs, Colony Import & Export Corp, Bombay
LACTIC ACID—4 cbys, Gallard Schlesinger, Rotterdam
LACTOSE—100 dms, Frank Samuel & Co, Rotterdam
LEAD CYANAMIDE—10 dms, Lo Curto & Funk, Rotterdam
LEMON OIL—25 gu cs, Guaranty Trust Co, Messina
100 gu cs, Chemical Bank, Messina
67 ctns, H Marmorek & Son, Haifa
20 cs, Citrus & Allied Essential Oils Co, Palermo
LEMONGRASS OIL—28 dms, Chase National Bank, Cochin
24 dms, Volkart Bros, Cochin
6 dms, French American Banking Corp, Cochin
1 dm, Trubeck Lab, Port Au Prince
LIME OIL—1 dm, L A Champon & Co, Port Au Prince
LIVER POWDER—12 ctns, Tec Chemical Corp, Montevideo
100 cs, Tec Chemical Corp, Montevideo
LOCUST BEAN GUM—1,300 bgs, Morningstar Nicol, Rotterdam
200 bgs, T M Duche & Sons, Rotterdam
200 bgs, Uni Gum Corp, Rotterdam
429 bgs, Morningstar Nicol, Portimao
300 bgs, Paul A Dunkel, Rotterdam
100 bgs, Thurston & Braidich, Hamburg
496 bgs, Genoa
LYCOPODIUM—44 cs, S B Penick & Co, Rotterdam
MACE—13 cs, J Berlage, Rotterdam
16 cs, Karl H Landes & E Balint, Rotterdam
7 cs, A G Dunn, Rotterdam
20 bgs, Rotterdam
MAGNESITE—3,000 bgs, Golwynne Chemical Corp, Madras
MAGNESIUM CARBONATE—65 cs, Chas L Huisking & Co, Liverpool
SULFATE—120 bgs, L D Peters & Sons, Liverpool
TRISILICATE—20 dms, Hudson Shipping Co, Liverpool
MANDARIN OIL—10 cs, Citrus & Allied Essential Oils Co, Palermo
20 gu cs, Guaranty Trust Co, Messina
MANGROVE EXTRACT—3,000 bgs, Saxe Cutch Corp, Sandaken
20 bgs, River Plate Corp, Liverpool
MARJORAM LEAVES—10 bgs, L A Champon & Co, Marseille
MERCURY—600 bls, Hanover Bank, Leghorn
b-METHYL NAPHTHALENE—2 dms, American Tehu Corp, Rotterdam
MINERAL WAX—20 bgs, Dura Commodities Corp, Rotterdam
MOLASSES—15,191 tons, Port-Louis
MONTAN WAX—400 bgs, Frank B Ross, Hamburg
200 bgs, Wax & Rosin Products, Hamburg
1,000 bgs, Strohmeyer & Arpe, Hamburg
MUSTARD SEED—230 bgs, Transit Export & Import Co, London
110 bgs, C Cluden, Hamburg
242 bgs, Tacker Mayer Seed Co, Hamburg
180 bgs, Amaren Trading Corp, Copenhagen
200 bgs, C Gulden, Naples
300 bgs, Catania
50 bgs, Bari
MYROBALANS—400 bgs, Barkey Importing Co, Bombay
NAPHTHALENE—1,111 bgs, Standard Naphthalene Products, Rotterdam
170 bgs, Coldwell & Co, Rotterdam
2,777 bgs, Rotterdam
NICKEL CHLORIDE—20 cks, Public National Bank, Bremen
SULFATE—25 bgs, Ayrton Metals Co, London
66 bbls, Chas Page Co, Gothenburg
90 bbls, Overseas Metal & Ore Corp, Gothenburg
10 cs, Meyer Shipping Co, Rotterdam
12 cks, Aceto Chemical Co, Bremen
20 cks, Leviant & Co, Hamburg
120 bgs, James E Fox, Liverpool
20 bbls, Chemical Bank, Antwerp
NUX VOMICA—208 bgs, Calcutta
OLIVE OIL—302 dms, Credit Suisse, Malaga
103 dms, Brown Bros, Malaga
100 dms, Bank of America, Malaga
52 dms, Hanover Bank, Malaga
250 dms, Chemical Bank, Seville
175 dms, National City Bank, Seville
193 dms, Credit Suisse, Seville
249 dms, Manufacturers Trust Co, Seville
50 dms, Corn Exchange Bank, Seville
15 dms, Bank of Manhattan Co, Seville
83 dms, Mercantile Trust Co, Malaga
40 dms, C Orlando Co, Palermo
25 dms, A Baldanza, Palermo
50 dms, Antonio Corrao Corp, Palermo
25 dms, A Fantis, Palermo
OURICURY WAX—182 bgs, Wm H Muller, Rotterdam
56 bgs, Bank of London & S A, Salvador
188 bgs, A Judson Murray, Rio de Janeiro
PALM OIL—10 dms, B M T Commodity Corp, Rotterdam
20 cs, B M T Commodity Corp, Rotterdam
142 tons, Durkee Famous Foods, Rotterdam
142 tons, Brillo Manufacturing Co, Rotterdam
PAPAIN—56 cs, O W Kracht, Colombo
56 cs, H E Botzow, Colombo
56 cs, S B Penick & Co, Colombo
PAPRIKA—518 bgs, A A Sayia, Alicante
300 bgs, Schoenfeld & Sons, Rotterdam
275 bgs, Alicante
PATCHOULI OIL—76 dms, Lo Curto & Funk, Penang
20 dms, Ungerer & Co, Penang
20 dms, VanAmeringen-Haebler, Penang
66 dms, Orbis Products Corp, Penang
5 dms, George Lueders & Co, Penang
4 dms, Antoine Chiris, Penang
4 dms, L A Champon & Co, Penang
4 dms, Centflor Manufacturing Co, Penang
2 dms, Penang
PEATMOSS—4,550 bls, J E Bernard, Bremen
600 bls, Bruco Peatmoss Corp, Bremen
2,000 bls, E J Lang, Bremen
1,000 bls, Interocean Chemical & Minerals Corp, Bremen
1,000 bls, Marine Midland Trust Co, Bremen
3,000 bls, J E Bernard, Hamburg
2,000 bls, J Lang, Hamburg
11,100 bls, Premier Peatmoss Corp, Bremen
1,340 bls, C Gastmeyer, Rotterdam
2,500 bls, Gelico Inc, Bremen
1,800 bls, New Amsterdam Import Co, Bremen
5,250 bls, Lewis International Co, Bremen
PECTIN—50 kgs, Jafbro Corp, Copenhagen
PEPPER, BLACK—240 bgs, Mincing Trading Corp, Cochin
72 bgs, Mincing Trading Corp, Bombay
240 bgs, Mitchel Beck Co, Bombay
80 bgs, Netherlands Trading Society, Cochin
80 bgs, L D Seymour, Cochin
40 bgs, National City Bank, Cochin
80 bgs, Joensson & Cross, Colombo
40 bgs, Irving Trust Co, Alleppey
1,240 bgs, Alleppey
1,240 bgs, Cochin
160 bgs, Cochin
RED—200 bgs, Iskenderun

WHITE—66 bgs, Catz American Co, Singapore
36 bgs, G H Winram, Singapore
70 bgs, Otto Gerdau, Singapore
35 bgs, A G Dunn, Singapore
112 bgs, Chase National Bank, Singapore
152 bgs, Mincing Trading Corp, Tandjong Priok
164 bgs, Internatio Rotterdam, Tandjong Priok
68 bgs, Joensson & Cross, Tandjong Priok
35 bgs, Internatio Rotterdam, Singapore
63 bgs, Ludwig Mueller, Singapore
PETITGRAIN OIL—11 dms, Corn Exchange Bank, Buenos Aires
17 dms, National City Bank, Buenos Aires
3 dms, Antoine Chiris Co, Port au Prince
11 dms, Lo Curto & Funk, Buenos Aires
25 cs, Ungerer & Co, Buenos Aires
6 dms, George Lueders & Co, Buenos Aires
PETROLEUM, CRUDE—221,623 bbls, Esso Standard Oil Co, Cartagena
400,000 bbls, Esso Standard Oil Co, Puerto La Cruz
105,000 bbls, Cities Service Oil Co, Amuay Bay
175,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
a-PICOLINE—11 dms, James E Fox, Manchester
PIMENTO—29 bgs, Ludwig Mueller, Hamburg
POLLACKLIVER OIL—120 dms, Arista Oil Products Co, Yokohama
POLYISOBUTYLENE—4 cs, Nova Chemical Corp, Hamburg
POLYVINYL ACETATE—4 cont, Terra Chemicals, Inc, Bremen
CHLORIDE—3,400 bgs, Pantasote Co, Genoa
1,200 bgs, Antwerp
7,800 bgs, Naples
POPPY SEED—200 bgs, Levy & Levis Co, Rotterdam
200 bgs, Louis Furth, Istanbul
POTASSIUM CYANIDE—267 dms, Chemical Manufacturing Co, Middlesbrough
SILICATE—544 bgs, Sylvania Electric Products, Rotterdam
POTATO STARCH—1,057 bgs, National Starch Products, Rotterdam
330 bgs, Rotterdam
PYROGALLIC ACID—5 cs, Eastman Kodak Co, London
QUEBRACHO EXTRACT—2,022 bgs, Tanimex Corp, Buenos Aires
525 bgs, River Plate Corp, Buenos Aires
512 bgs, H J Schluter, Buenos Aires
RADIUM ELEMENT—2 cs, Radium Chemical Co, Antwerp
RAPESEED—1,600 bgs, Hartz Mountain Products, Rotterdam
100 bgs, Catz American Co, Rotterdam
RUTILE SAND—2,960 bgs, International Titanium Corp, Brisbane
RUTIN—17 cs, Sydney
24 bgs, Sydney
SAGE LEAVES—389 bgs, Manufacturers Trust Co, Hamburg
20 bls, K I Lister Co, Trieste
OIL—17 cs, W J Brynes, Antwerp
SAGO FLOUR—555 bgs, Stein Hall & Co, Singapore
SALICYLAZO SULFAPYRIDINE—20 dms, Pharmacia Lab, Gothenburg
SANDARAC GUM—90 bgs, Craig Stanton & Co, Casablanca
SAPONIN—10 cs, Liverpool
SEEDLAC—500 bgs, Unity Import Export Co, Bangkok
250 bgs, Mac Lac Co, Bangkok
100 bgs, Ralli Bros, Calcutta
100 bgs, Mantrose Corp, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
400 bgs, Calcutta
SENNA LEAVES—12 bls, Irving Trust Co, Port Sudan
SESAME SEED—202 bgs, Corn Exchange Bank, Port Sudan
100 bgs, Importex Adriatic Inc, Piraeus
SHARKLIVER OIL—100 dms, Chas L Huisking & Co, Yokohama
SHELLAC—25 bgs, Dings & Schuster, Bremen
200 bgs, Calcutta
SILICON CARBIDE—18 cks, D C Andrews, Oslo
SODIUM ALGINATE—20 cks, Fried & Co, Havre
10 dms, T M Duche & Sons, Glasgow
CYANIDE—500 dms, Chemical Manufacturing Co, Middlesbrough
238 dms, American Cyanamid Co, Middlesbrough
35 dms, Phillips Bros Chemicals, Rotterdam
GLYCEROPHOSPHATE—2 kgs, Gallard Schlesinger, Southampton
HYDROSULFITE—200 dms, Scher Bros, Marseille
STARCH—2,000 bgs, Alltransport Inc, Rotterdam
300 bgs, Morningstar Nicol, Rotterdam
STYRAX GUM—50 cs, American Express Co, Istanbul
TALC—4,800 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—2,250 bgs, Internatio Rotterdam, Bangkok
500 bgs, Borneo Sumatra Trading Co, Bangkok
TARTARIC ACID—50 bbls, Lo Curto & Funk, Rotterdam
40 cks, R J Saunders, Palermo
9 cks, Byron Chemical Co, Palermo
THYME LEAVES—27 bgs, L A Champon & Co, Marseille
29 bls, Wm E Martin, Marseille
TOLU BALSAM—25 cs, London
TONKA BEANS—50 cs, Wm Rieser & Co, Rio de Janeiro
TRIAMINOTRIAZINE—64 bgs, O W Lochner, Hamburg
TRICHLOROETHYLENE—102 dms, E R Zorgniotti, Genoa
40 dms, Chemical Manufacturing Co, Liverpool
250 dms, Venice
TUNG OIL—1,100 tons, Pacific Vegetable Oil Corp, Buenos Aires
100 tons, Borneo Sumatra Trading Co, Buenos Aires
109 tons, Buenos Aires
TURMERIC—160 bgs, Alleppey
440 bgs, Cochin
UMBER—224 bgs, Whittaker Clark & Daniels, Liverpool
UREA, SYNTHETIC—8,000 bgs, Chemical Manufacturing Co, Middlesbrough
VALONIA—1,238 bgs, Olson Sales Agency, Canakkale
EXTRACT—625 bgs, Chemical Bank, Izmir
VANILLA BEANS—4 cs, French American Banking Corp, Colombo
19 cs, Otto Gerdau, Hamburg
VETIVER OIL—1 dm, L A Champon & Co, Port Au Prince
WHITING—1,200 bgs, N H Weitzner, Antwerp
800 bgs, Sterling Drug Co, London
600 bgs, Pluess Staufer, Antwerp
WOOL GREASE—168 dms, Chemical Bank, Genoa
10 bbls, Merce Chemical Corp, Naples
47 dms, J J Gavin, Antwerp
54 dms, Bank of N Y, Melbourne
32 dms, Olson Sales Agency, Adelaide
15 dms, Antwerp
ZINC OXIDE—480 bgs, American Firstline Corp, Liverpool
ZIRCON SAND—900 bgs, Berkshire Chemicals, Brisbane

Baltimore

CHESTNUT EXTRACT—1,663 bgs, Bordeaux
PEATMOSS—400 bls, J S Connor, Bremen
600 bls, New Amsterdam Import Co, Bremen

Houston

CINNAMON QUILLS—50 bls, Volkart Bros, Colombo

Los Angeles

ARABIC GUM—180 bgs, London
BONEMEAL—1,103 bgs, H V Nootbaar & Co, Rotterdam
CARAWAY SEED—200 bgs, D Hecht & Co, Rotterdam
100 bgs, R J Spitz, Rotterdam
CASSIA—80 bls, C M Van Sillevoldt, Rotterdam
189 pkgs, Rotterdam
COPRA MEAL—2,000 bgs, Pacific Vegetable Oil Corp, Manila
CUMIN SEED—800 bgs, General Foreign Sales Corp of America, Rotterdam
222 bgs, Hismoco American Co, Rotterdam
DEXTRIN—224 bgs, Frank P Dow Co, London
EARTH COLOR—1,400 bgs, Frank D Davis Co, Rotterdam
GELATIN—25 bbls, Coignet Chemical Co, Antwerp
MOLASSES—919 tons, Pacific Molasses Co, Topolobampo
8,795 tons, Southwestern Sugar & Molasses, Kaohsiung
PEATMOSS—500 bls, Lastreto Phillips Commercial Co, Rotterdam
250 bls, Wilbur Ellis Co, Bremen
250 bls, John Schumacher Co, Bremen
POPPY SEED—50 bls, Seed & Feeding Corp, Rotterdam
225 bgs, Antwerp
RAPESEED—200 bgs, Rotterdam
SEEDLAC—200 dbl bgs, H M Newhall & Co, Bangkok
UREA—4,056 bgs, Chase Page & Co, Rotterdam
1,102 bgs, Antwerp
3,206 bgs, Atkins Kroll Co, Bremen &
2,997 bgs, C M C Chemicals Inc, London
WHITING—3,200 bgs, Frank D Davis Co, Antwerp
1,600 bgs, Antwerp

Newport News

CHESTNUT EXTRACT—2,000 bgs, Bordeaux

Norfolk

CHESTNUT EXTRACT—900 bgs, Bordeaux
NICOTINE SULFATE—333 dms, Virginia Carolina Chemical Corp, La Coulette
PEATMOSS—496 bls, Premier Peatmoss Corp, Bremen

Philadelphia

ASBESTOS FIBER—2,640 bgs, Keasby & Mattison, Lourenco Marques
490 bgs, Phila National Bank Durban
CARAWAY SEED—50 bgs, Quaker Products, Rotterdam
CASEIN—286 bgs, National Casein Sales, Oslo
GYPSUM—7,093 tons, U S Gypsum Co, Hantsport
HORNMEAL—1,563 bgs, Brown Bros, Buenos Aires
LICORICE ROOT—5,896 bls, Guaranty Trust Co, Antwerp
MOLASSES—750,000 gals, Southwestern Sugar Co, Puerto Parde
MUSTARD SEED—1,000 bgs, R T French, Rotterdam
NAPHTHALENE—2,222 bgs, Rotterdam
PEATMOSS—3,000 bls, E Dunwoody, Bremen
1,100 bls, Bank of Manhattan Co, Bremen
800 bls, Irving Trust Co, Bremen
PETROLEUM, CRUDE—115,578 bbls, Socony Vacuum Oil Co, Puerto La Cruz
120,000 bbls, Atlantic Refining Co, Pamatacual
197,861 bbls, Gulf Oil Corp, Mena Al Ahmadi
293,024 bbls, Gulf Oil Corp, Puerto La Cruz
115,759 bbls, The Texas Co, Las Piedras
QUEBRACHO EXTRACT—1,013 bgs, Mercantile Trust Co, Buenos Aires
532 bgs, Bank of London, Buenos Aires
512 bgs, Manufacturers Trust Co, Buenos Aires
RAPESEED—1,100 bgs, R T French, Rotterdam
SODIUM NITRATE—5,000 tons, Guaranty Trust Co, Mollendo
STARCH—400 bgs, National City Bank, Rio de Janeiro
UREA—1,000 bgs, Rohm & Haas, Oslo

San Francisco

AGAR—10 cs, Aico Distributing Co, Yokohama
ARABIC GUM—50 bgs, Rotterdam
BONE FLOUR—2,205 bgs, Wessel Duval & Co, Rotterdam
MEAL—2,223 bgs, Atkins Kroll & Co, Alexandria
CASEIN—500 bgs, John R Spellacy, Sydney
CINNAMON QUILLS—25 bls, Mincing Trading Corp, Colombo
45 bls, Colombo
CODLIVER OIL—100 dms, Rotterdam
COPRA—1,000 tons, American Trust Co, Cebu
500 tons, El Dorado Oil Works, Hondagua
400 tons, El Dorado Oil Works, Jose Panganiban
500 tons, Cargill Inc, Davao
500 tons, American Trust Co, Zamboanga
500 tons, El Dorado Oil Works, Isabella
500 tons, El Dorado Oil Works, Iloilo
500 tons, Cargill Inc, Jose Panganiban
500 tons, Hondagua
500 tons, Cargill Inc, Cebu
250 tons, Cebu
500 tons, Cargill Inc, Iloilo
CAKE—2,800 bgs, Balfour Guthrie, Cebu
2,000 bgs, Internatio Rotterdam, Cebu
DICALCIUM PHOSPHATE—1,000 bgs, Antwerp
EPSOM SALT—400 bgs, Mattoon & Co, Bremen
FERROUS SULFATE—1,000 bgs, Mattoon & Co, Rotterdam
FISHLIVER OIL—1 dm, Wheeler & Miller, Yokohama
FISHMEAL—3,462 bgs, Wessel Duval & Co, Chimbote
556 bgs, Balfour Guthrie, Chimbote
HERRINGMEAL—13,635 bgs, Wilbur Ellis Co, Haugesund
36,000 bgs, Stavanger
IRON OXIDE—445 bgs, T H Deutz & Co, Bremen
MONOSODIUM GLUTAMATE—100 dms, Universal Sales Co, Yokohama
OLIVE OIL—95 bbls, Monteverde & Parodi, Marseille
50 dms, Marseille
PAPRIKA—200 bgs, Schilling & Co, Marseille
100 bgs, A A Sayia, Marseille
PEATMOSS—600 bls, Lastreto Phillips, Rotterdam
498 bls, H M Newhall & Co, Hamburg
250 bls, Nurserymens Exchange, Bremen
PEPPER, BLACK—40 bgs, Borneo Sumatra Trading Co, Djakarta
80 bgs, D Hecht & Co, Alleppey
32 bgs, Mincing Trading Corp, Alleppey
42 bgs, Internatio Rotterdam, Singapore
SODIUM CYANIDE—100 dms, C M C Chemicals, Rotterdam
TRICHLOROETHYLENE—109 dms, Calarian Co, Leghorn
102 dms, Hanover Bank, Leghorn
UREA, SYNTHETIC—1,000 bgs, C M C Chemicals, Middlesbrough

Color Card Group Reports Retirement of Its Secretary

The Textile Color Card Association of the United States has announced the retirement of Mrs. Margaret Hayden Rorke as executive secretary and managing director. Miss Estelle M. Tennis, who had been Mrs. Rorke's assistant, has been named her successor.

The announcement was made by Roy E. Tilles, president of the association, who said, "Mrs. Rorke is retiring to private life and will establish her home in California, and it is with deep regret that we accept her retirement. She has served the association with great distinction during the past thirty years as secretary and managing director. Mrs. Rorke has also been prominently active in national trade association affairs and a leader in the promotion of industrial color standardization and color coordination."

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Essential Oils, Aromatics, Flavorings

Last week saw the continuance of an uptrend in the camphor oils with advances noted in virtually all of them. While spot supplies of the oils have been steadily worsening due to the shortage of natural camphor, quotations held unchanged due to some small lots left in the market. At far as could be determined, these have been all sold and consequently, the low of the price range has advanced.

In the case of artificial sassafras oil, the increase was 10 cents per pound. White and sassafrassy camphor oils were quoted 2 cents higher while ocotea cymbarum oil, was up 3 cents per pound. The other item to advance among the oils was cedarwood oil, which was increased 5 cents, on spot. The shortage of this oil was expected to be temporary with relief anticipated in the not too distant future when new supplies become available.

Of the flavoring materials, East Indian nutmegs and mace advanced 2 cents and 3 cents per pound, respectively. Batavia cassias were advanced ¼ cent on all grades.

The number of items noted to have been reduced last week exceeded those advanced by several with the overall effect of causing an index decline. Among flavoring materials, Dutch caraway seed was off ¼ cent, canceling an increase of a similar amount the week before. Decorticated, Guatemalan and green Alleppey and Ceylon grades of cardamom seed were reduced 10 cents per pound, respectively. Indian celery seed was off ½ cent while Jamaican ginger root No. 2 and No. 3 were down 1 cent and 2 cents, respectively. Nigerian, split ginger was off 1 cent. Japanese birdseyes red pepper was reduced 1 cent while white pepper was also off 1 cent per pound. Jamaica and Mexican pimento was reduced 3 cents and 1 cent per pound in that order.

In the essential oils section, several declines were noted. Birchtar oil, both crude and rectified, was reduced 15 cents and 65 cents each. Cardamom oil was off $4 per poun, on spot. Grapefruit oil was 10 cents lower while natural peppermint oil was down 15 cents. USP spearmint oil was reduced 65 cents and Bourbon vetiver was down 75 cents.

Price Trends

Advanced

Cassia, Batavia, cuttings, ¼c. per lb.
longstick, cracked, ½c. per lb.
shortstick, cracked, ½c. per lb.
Mace, Siauw, #1, 3c. per lb.
Nutmeg, East Indian, whole, 2c. per lb.
Oil, camphor, sassafrassy, 2c. per lb.
white, 2c. per lb.
Cedarwood, 5c. per lb.
Ocotea cymbarum, 3c. per lb.
Sassafras, artificial, 10c. per lb.

Reduced

Caraway seed, Dutch, ¼c. per lb.
Cardamom seed, decorticated, Guatemalan, 10c. per lb.
green, Alleppey, 10c. per lb.
Ceylon, 10c. per lb.
Celery seed, Indian, ½c. per lb.
Ginger root, Jamaica #2, 1c. per lb.
#3, 2c. per lb.
Nigerian, split, 1c. per lb.
Oil, birchtar, crude, 15c. per lb.
rectified, 65c. per lb.
Cardamom, $4 per lb.
Geranium, Bourbon, 50c. per lb.
Grapefruit, 10c. per lb.
Peppermint, natural, 15c. per lb.
Spearmint, USP, 65c. per lb.
Vetiver, Bourbon, 75c. per lb.
Pepper, red, Japanese, birdseyes, 1c. per lb.
Nigerian, 1c. per lb.
White, 3c. per lb.
Pimento, Jamaica, 3c. per lb.
Mexican, 1c. per lb.
Poppy seed, Dutch, ¼c. per lb.
Polish, ¼c. per lb.
Turkish, ½c. per lb.

Comparative Price Indexes

(100—1949 average)

Last week	Prev. week	Last month	May 1, 1953
147.28	147.87	147.93	154.60

(*For Current Prices see page 9*)

Essential Oils

Bergamot—The spot market was unchanged last week. Prices currently ranged from $11 to $13 per pound.

Birchtar—Crude birchtar oil was off 15c. on spot last week. The current range on this oil was $1.75 to $1.90. Rectified oil was also lower than formerly, being priced at $2, a reduction of 65c.

Camphor—Spot prices on camphor sassafrassy and white camphor oil advanced 2c. per pound, respectively, on spot. The trend in this market has been toward increasing firmness with the likelihood of further price rises. The shortage of raw material has been the decisive factor in the strength of these and other oils and derivatives of camphor. The current range on camphor sassafrassy was 26c. to 45c. while the white oil was pegged at 26c. to 35c. There was believed to be little material left at the lower price range, it was noted.

Cardamom—A spot quotation $4 per pound lower than quoted earlier was heard last week on cardamom oil. The current range on this oil was from $41 to $46 per pound.

Cedarwood—Spot prices moved up on this item last week, with the low of the market heard at 65c., an advance of 5c. over the preceding week's level. There was believed to be little material left at the 65c. price and the bulk of the market was selling above that figure.

Geranium—Spot prices on Bourbon geranium oil were quoted 50c. lower last week. The current range on this oil was from $10.25 to $13. Algerian geranium oil was steady at $10 to $12.

Grapefruit—Spot prices were reduced 10c. on this oil. The current range was $2.60 to $3 per pound. The market was quiet.

Lemon—There was no appreciable difference in the market last week. Inquiry was noted to be on the increase due to seasonal influences and the market was expected to continue firm in view of the generally tight oil situation. Californian lemon oil was pegged from $7.10 to $7.50 per pound. Other qualities were unchanged on spot although there was some weakness noted at the source.

Lime—The heavy consuming season for this oil was rapidly approaching and the market was holding at steady levels. Prices on the distilled Mexican oil ranged from $5.25 to $6.50 per pound while the West Indian ranged from $5.40 to $7.25 on the same process oil. Expressed West Indian was quoted at $7.75 to $8.50.

Ocotea Cymbarum—The spot market advanced 3c. on ocotea cymbarum oil last week. The trend in this market has been steadily upward in view of the small amount of oil being offered for sale. The current range was from 88c. to $1.30.

Orange—There continued to be a weak undertone in this oil last week. There were indications that the market would firm up as seasonal demand began to increase. Californian orange oil was currently offered at 70c. to $1.25.

Peppermint—The market was generally stable on this flavoring oil although a quotation was heard last week which brought the low of the range down 15c. The current price on peppermint oil was from $5.70 to $6.40 on the natural oil.

Sassafras—Artificial sassafras oil advanced 10c. on spot last week. The increase reflected the shortage of the oil and the fact that all lots of lower priced oil had been snapped up over the past several weeks. The current range was 85c. to $1. per pound with the strong likelihood that this week would see further advances.

Spearmint—Spot prices were off 65c. on USP spearmint oil as demand continued at a fair pace. Prices ranged from $5.20 to $6.55.

Vetiver—Bourbon vetiver oil declined 75c., on spot. The current range on this oil was from $14 to $17.50 per pound. Haitian and Java vetiver oils held unchanged.

Imports Detained by FDA

Week Ended April 23

New York

Aniseed, 79 bags: filthy; excess stems.
Cassia (11 lots), 794 bags: filthy.
Cloves (15 lots), 1,970 bags: filthy.
Cumin seed (2 lots), 783 bags: filthy.
Fenugreek seed, 300 bags: filthy.
Ginger (3 lots), 194 bags: wormy.
Laurel leaves, 385 bags: moldy.
Mace, 5 cases: insects.
Oreganon, 40 bags: filthy.
Rhubarb root, 60 bags: insect infested.
Sesame seed, 205 bags: filthy.

Miscellaneous

Cardamom Seed—Green Alleppey and Ceylon cassia were 10c. lower on spot last week. Also reduced by 10c. was decorticated, Guatemalan cardamom. The current price on all three qualities was $1.90 per pound. Other qualities held unchanged.

Celery Seed — Indian celery declined ½c., on spot, last week. Prices ranged from 19c. to 19½c. per pound. French seed was steady at 46c. to 48c.

Ginger Root—The spot market was

For Late Market Developments, See Page 4

slightly easier on this commodity last week. With grinders having slackened off their buying, the market moved downward 1c. per pound on Jamaica No. 2 ginger and 2c. on No. 3 grade. The current range on these grades was 32c. to 33c. on the former and 30c. to 32c. per pound, on the latter. Nigerian, splits were quoted 1c. lower thus canceling out an increase of 1c. the week previous. Other qualities remained unchanged.

Mace—East India grades advanced on spot last week. Siauw No. 1 was pegged at $1.33 to $1.35, an increase of 3c. over the preceding week's levels. West Indian mace was steady at $1.30.

Nutmeg—East Indian nutmegs advanced 2c. on spot and were quoted at 41c. The scarcity of the East India quality was reported to have been relieved slightly by the release of some small arrivals. West Indian grades held very firm at 30c. to 30½c., and little if any discount under spot was to be found for deferred delivery, it was said.

Pepper—The market lost some of its steam this week as interest waned. Price concessions were not large but due to the dullness, holders seemed inclined to shade a fraction here or there in an effort to stimulate trade. Many conflicting reports were received from India and they only serve to confuse the picture. On the one hand it was said that a Russian steamer was now due in Alleppey and it would take some 500 tons out of that market. Bombay speculators were rumored to be depressing the market in the hope that they might be able to build up a stock at lower levels. Shipments so far in April from India are thought to be on the light side, forecasting a tighter spot situation late May.

Japanese birdseyes were off 1c. on spot last week and this item was quoted at 56c. Nigerian chillies were down 1c. being heard at 29c. White pepper was 1c. lower and quotations ranged from 83c. to 85c.

Pimento—Jamaican pimento was quoted 3c. lower on spot while Mexican quality was down 1c. The former was quoted at 61c. to 62c. and the latter, from 58c. to 59c.

Poppy Seed—Dutch and Polish seed varieties were off ¼c. per pound while Turkish poppy seed declined ½c., on spot. Dutch seed was quoted at 19¼c. to 19½c. while Polish was 18¼ to 18½c. and Turkish, 16¼c. to 17c.

Penicillin Plant Dedication Set by Wyeth in Sao Paulo

A new $8,000,000 penicillin plant, said to be the largest in South America, will be opened by Wyeth International, Philadelphia, on May 15 in Sao Paulo, Brazil. Sir Alexander Fleming, discoverer of the drug, will fly from New York May 7 to take part in the opening ceremonies. Also traveling to Sao Paulo from New York are Robert Hodgeman, president of Wyeth International; Walter Silbersack, executive vice-president, and Hal Brown, vice-presidents of American Home Products Corporation, New York, parent organization of Wyeth.

Pharmaceutical Council Sets Drug, Cosmetic Show

The Pharmaceutical Council of Greater New York has announced that the seventh annual Drug, Cosmetic and Sundry Show, sponsored by that organization, will be held at the McAlpin hotel, September 19, through 21.

Serving over six thousand drug stores, the show covers the greatest concentrated area of drug store sales in the world. Show hours will be from 2 p.m. to midnight on September 19 and 20 and from noon to 10 p.m. September 21.

Lueders Honors Richards

George Lueders & Co., New York, has added Martin Richards to its veterans' organization on his completion of twenty-five years with the company. Mr. Richards is employed as a foreman of the distilling department. He was honored recently with a luncheon and with gifts from the officers of the company and his fellow employees.

Essential Oils Research Funds Offered by Colgate-Palmolive Co.

Expansion by the Rutgers University School of Chemistry of its program for research and graduate study in the field of essential oils and aromatics will be among the projects made possible with a fellowship grant of $12,000 from Colgate-Palmolive Company, Jersey City, N. J. The money will be used to support three graduate fellowships in chemistry. Each will provide $2,000 a year for two years of graduate study and research.

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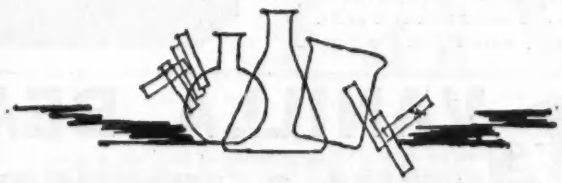

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Texas Int'l Sulphur Starts Drilling in Mexican Property

Texas International Sulphur Company has begun core drilling for sulfur on its properties in the Isthmus of Tehuantepec, Vera Cruz, Mexico, near the sites where three other companies have already found high grade native sulfur in commercial quantities. One truck- mounted drilling rig is already in operation in the isthmus, and a second truck-mounted rig has been shipped to the area.

Drilling operations will be conducted in an area where surface geology has positively indicated the presence of salt structures in which sulfur is commonly found, and in an area having the same geologic environment as those now producing sulfur in commercial quantities. The company holds all sulfur exploratory rights on 123,550 acres in Tehuantepec, 15,818 acres of which are yet to be selected.

Water, Air Pollution

—Continued from page 7

Sloppy operation and careless maintenance are responsible for a lot of air pollution."

Mr. Christy noted that there is a popular misconception that most smoke comes from bituminous coal. "Actually," he pointed out, "there are several other sources, including the burning of fuel oil, wood rubbish and garbage, and from motor vehicles." He also alluded to dust, which, he said, has become a major air pollutant in many places. In addition, he declared, the increase in motor vehicle traffic during recent years has added greatly to the air pollution problem. And, he added, much of the dust in the air is made up of small particles of rubber from tires.

Role of Politics Noted

Among the reasons that progress in air pollution control is so slow, Mr. Christy felt, is politics. He noted that only in recent years has it been recognized that air pollution control is a technical problem. He cited Cleveland, Washington and New Jersey's Hudson County as "pioneers in putting the work on an engineering basis," but added that political interference still occurs in many places.

The speaker felt that St. Louis, Cincinnati and Pittsburgh have done a good job in cleaning up their smoky atmospheres. Other communities which have made fine records, he said, are Columbus, Washington and Chicago. He thought that New York City is making progress in combating air pollution, but that it is slow.

New York, he pointed out, spends only 4½ cents per capita annually for air pollution control, as against 7½ cents per capita for Chicago, an average of 11 to 20 cents per capita for most midwestern cities and 18½ cents for Los Angeles County.

Austin W. Fisher of Arthur D. Little, Inc., Cambridge, Mass., discussed pollution problems of aluminum plants. Robert B. MacMullin of R. B. MacMullin & Associates, Niagara Falls, N. Y., outlined the pollution problems in that area, particularly as arising from electric furnaces, carbide plants and other chemical units.

It was generally agreed that the human factor operates at both ends of the pollution problem; that ordnances do not mean a thing unless enforced.

Proceedings of the symposium on "Waterborne and Airborne Wastes" are available at $2 per copy from the Association of Consulting Chemists and Chemical Engineers, 50 East 41st street New York 17.

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Perkin-Elmer Corp. Opens Office for Southeastern Sales

Perkin-Elmer Corporation, Norwalk, Conn., has opened a sales office in Silver Spring, Md., under the direction of Edward A. Garlock, to service chemical plants and research laboratories throughout the southeast. The office is located at 9419 Georgia avenue, and will serve the District of Columbia, Maryland, Virginia, West Virginia, North and South Carolina and Kentucky.

Devoe Buys Hart & Burns

Devoe & Raynolds Company, New York, has acquired, through a stock purchase, Hart & Burns, Inc., Riverside, Calif. J. Mack Creager, vice-president of the Jones-Dabney industrial, marine, resins and chemicals division of Devoe, will become president of Hart & Burns. Arthur E. Burns, jr., and Earl Huston, jr., will continue as vice-presidents of Hart & Burns.

Koppers Assigns Four In Research Department

Four personnel changes in the research department of Koppers Company, Pittsburgh, Pa., have been announced by Dr. G. F. D'Alelio, vice-president and general manager of the department.

Dr. T. E. Robbins has been named assistant manager, laboratory section, to succeed Dr. B. F. Daubert, who has resigned, and R. S. Detrick has been appointed assistant manager, laboratory branch, at the company's research center at Verona. Dr. H. E. Tiefenthal will replace Dr. Robbins as group leader.

Formerly leader of the phenolic chemicals group at Verona, Dr. Robbins was a senior fellow for three years with the Koppers-sponsored tar synthetics fellowship at Mellon Institute of Industrial Research. Mr. Detrick, a leader of the tar products group at Verona, will take over the administrative duties formerly performed by Dr. C. F. Fryling, so that the latter may devote full time to pioneering research in new fields.

Fats, Oils Records Say

—Continued from page 7

of soybean cake and meal, particularly in November and December of 1953. Net exports of soybean cake and meal in October-February, 1953-54, totaled 39,901 tons in contrast to net imports of 20,411 tons in the comparable period of 1952-53. Soybean meal exports, however, dropped substantially in January and February. The bulk of the soybean cake and meal went to Japan and Canada.

Net exports of linseed cake and meal amounted to 6,714 tons in the five-month period against net imports of 16,505 tons in the comparable period of the previous year. The United States maintained its position as a net importer of cottonseed and copra cakes and meals, but the volume of net imports dropped sharply. Cottonseed meal imports declined from 88,935 tons in October-February, 1952-53, to 6,136 tons, and copra meal from 43,479 tons to 29,786 tons in the first five months of this year.

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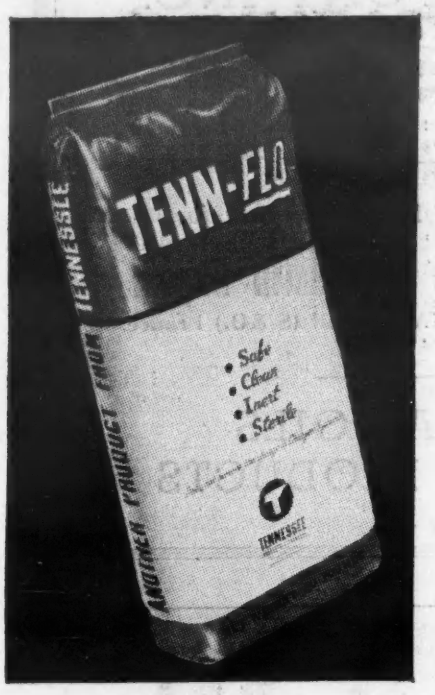

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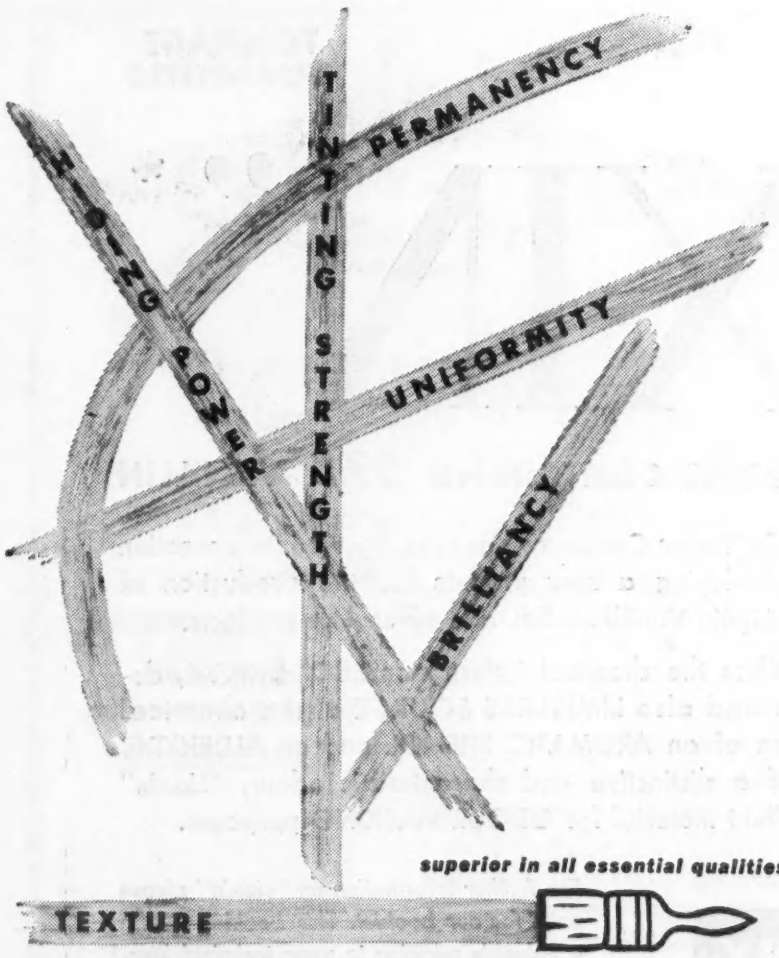

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Protective Coatings Materials

Natural resins showed the only inclination toward price activity in this market last week. Singapore dammar gum advanced in price due to scarcity of supplies, as did the orange grades of shellac. Expected easement in shellac prices was delayed somewhat by lateness of shipment.

Pigments were without notable change. Customer interest was better last week than during most of the first quarter. Buying remained largely on a hand to mouth basis. Synthetic resins, particularly alkyds, moved well to the paint trade, but competition was prevalent owing to the large number of alkyd producers.

Lacquer materials moved at a good rate to consumers. Price competition was still indicated, but it was generally felt that the pricing situation was better than it had been for some time. Pressure on tricresyl phosphate continued to be felt in some quarters. Edible ester plasticizers sold well in their specialized fields.

Calcium carbonate went to increased demand last week at unchanged prices. Interest was evidenced in barytes, that material also quotably without change. Domestic consumer demand for casein was mainly for immediate needs, with spot offerings limited primarily due to the unsettled condition of the Argentine market.

Prime Pigments

Aluminum Paste, Powder — No price changes took place last week. The Bureau of Census reports that net shipments of atomized and grained powder during February amounted to 2,491,000 pounds, as compared with the same amount for January. Some 265,000 pounds of flaked powder were shipped in February, compared with 199,000 pounds for January. Shipments of paste amounted to 908,000 pounds in February, compared with 761,000 pounds in January. Net shipments of aluminum mill products in February amounted to 145,000,000 pounds, 6 percent below January shipments.

Blue, Peacock Lake — The Bureau of Census reports that 220,957 pounds were manufactured in February, compared with 203,471 pounds produced in January.

Chrome Colors—The following figures, compiled by the Bureau of Census, show tonnage production of CP chrome pigments:—

Pigment	Feb.	Jan.	Feb. '53
Chrome green	474	449	640
Oxide green	239	*401	677
Yellow and orange	1,978	1,710	2,190
Orange, molybdate	321	290	365
Zinc chromate	570	456	444
Totals	3,582	3,306	4,316

*Revised.

Earth Colors—The market was said to have been more active this month than previously, as consumers called in greater number for larger quantities of material. Although it was said that buying interest was fairly close to the vest, with consumers working on thirty-day or less inventories, it was pointed out that the volume of material moved during April showed a marked improvement over quantities shipped during the first quarter. Prices were unchanged. There was plenty of material available.

Iron Blues—The position for these, as well as other dry colors in general, was better last week than all during the first quarter. Material was moving in large quantities to a substantially increased consumer inquiry. Quotations held the same, as plentiful supplies counteracted an active demand.

Lead Pigments—The lead metal market was quiet last week, and this situation was reflected in the pigments market by way of unaltered prices. Active interest in white leads was displayed by the paint trade.

Synthetic Iron Oxides—The situation for these colors was reflective of the pigments market in general. Customers came into the market for larger amounts in anticipation of the spring paint season. Prices held steady and unchanged. Stocks were readily obtainable.

Zinc Oxide—Demand was judged about normal for this time of year. The metal market was steadier last week, with no price changes reported. Prices for oxides and other zinc pigments held firm and unchanged.

Synthetic Resins

The following production information showing production for January and February, 1954, in pounds, was supplied by the Tariff Commission:—

Price Trends

Advanced

Gum, dammar, Singapore, No. 1, 1c. per lb.
Shellac, lemon, No. 1, 1c. per lb.
No. 2, 1c. per lb.
Superfine, 1c. per lb.
TN, 1c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

last week	Prev. week	Last month	May 1, 1953
96.53	96.52	93.62	89.77

(For Current Prices see page 9)

Production

	*January	*February
Phenolic and other tar acid resins:—		
Laminating resins	7,450,073	8,251,074
Adhesive resins	1,712,441	1,111,768
Protective coating resins, unmodified, modified except by rosin	1,797,481	1,740,455
Urea and melamine resins:—		
Adhesive resins	7,026,527	8,769,221
Protective coating resins, straight, modified	2,103,669	2,066,368
Styrene resins:—		
Protective coating, resins, straight, modified	6,675,547	6,184,533
Vinyl resins:—		
Total, all types	40,636,166	39,809,528
Alkyd resins for protective coatings:—		
Phthalic anhydride types unmodified	20,439,309	20,148,809
Modified with tar acids, rosin and/or other materials	5,875,052	5,996,158
Polybasic acid types except phthalic:—		
Unmodified	1,012,965	1,594,233
Modified with tar acids, rosin and/or other material	767,791	475,587
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified (ester gums, etc.):—		
Esterified with glycerol	1,057,006	1,706,917
Esterified with other alcohols	1,958,564	1,889,159
Rosin, rosin esters, modified:—		
Modification with phenolic and other tar acid condensates	1,676,587	1,775,954
Modification with maleic and fumaric acids	2,375,841	2,876,046
All other modifications	2,593,209	2,967,157
Coumarone-indene and petroleum polymer resins	14,333,495	17,471,734
Miscellaneous synthetic plastic and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester, silicone and other resins)	338,771	689,069

*Preliminary report.

Alkyds—Demand from the paint trade continued good, with sales judged about normal for the time of year by several sources. Heavy competition prevailed, due to the large number of manufacturers in the field. Styrenated alkyds were moving well, with no indications of changed prices. Supplies were plentiful.

Epoxys—These resins were in plentiful supply last week, as production was considered more than equal to demand at this time. The general market picture was one featuring good demand, with material moving at unchanged prices. It was felt that, owing to the present high rate of production, supply worries like those of previous years were over.

Maleics—The market was about unchanged from last week. Prices were the same, with demand having shown improvement since the first quarter. Stocks were ample.

Urea-Formaldehydes — These resins were enjoying about the same interest prevailing generally in the resins market. Listings were steady.

Lacquer Materials

Dibutyl Phthalate — Market appeared steadier last week after recent reductions in price. The Bureau of Census relates that 1,060,763 pounds of dibutyl phthalate were produced in February, a total well under the 2,467,806 pounds made in January.

Diethyl Phthalate—Prices were unchanged last week. Figures compiled by the Bureau of Census show February production at 1,377,075 pounds, a figure somewhat above January's 1,024,909 pounds.

Dioctyl Phthalate—The market was judged firmer last week at the recently initiated price of 32c. per pound, tankcars, delivered East. However, there was still some indication of scattered shading, particularly in the case of di-iso-octyl phthalate. Producers expected this situation to clear up as the market became adjusted to recently reduced prices.

The Bureau of Census recently reported that 7,925,127 pounds of dioctyl phthalates

For Late Market Developments, See Page 4

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were produced in February, compared with 7,155,394 pounds manufactured in January. The preceding figures include production totals for di-2-ethylhexyl, di-n-octyl, and di-iso-octyl phthalates.

Natural Resins

The market for copal gums was active, with prices holding steady. Supplies continued somewhat scarce. Firm inquiry for dammar Singapore No. 1 sent prices up to 39c. to 41c. per pound, spot, as to quantity. Other dammars held unchanged in the face of strong demand.

Shellac—Shipments of new crop were still behind schedule, according to reports concerning the Calcutta situation. Scarcity of orange grades on spot in this country caused a 1c. per pound increase across the board. Bleached grades remained steady and unchanged. Nearby continued firm.

Miscellaneous Materials

Casein — Argentine market gained strength due to recent large sales to Italy, with the result that sellers there tended to hold out for higher prices. Spot offerings in this country were limited, and quotably unchanged at about 17½c. per pound. Shipment was offered also at 17½c per pound, May-June. Domestic consumption continued restricted to immediate needs.

Naval Stores

Rosin, Gum

(USDA, per 100 lbs.)

	Fri.	Mon.	Tues.	Wed.	Thur.
Drums—					
F	...	...	...	...	$7.55
K	$7.37	...	...	$7.53	7.55
M	...	...	$7.53	7.54	...
N	7.75	...	7.50	...	...
WG	7.81½	$7.77	...	7.75	...
WW	7.85	7.79	7.79½	7.82	7.85
Bags—					
G	...	...	7.40	7.40	7.53
H	...	...	...	7.40	...
I	...	...	...	7.40	...
K	7.50	...	...	...	...
M	...	7.40	...	...	...
N	...	...	...	7.42	7.43
WG	7.88	...	...	7.60	7.55
WW	...	...	...	7.70	...

Tankcars (for week ended April 23)—N $7.205, K or better $7.20, 722*.

Sales, USDA 1,343* 548* 1,137* 339* 938*

New York, Friday, per gal. 7 lbs., tankcars 61c., (per 100 lbs., c.l., Friday)

B through M $8.55, N $8.60, WG $8.75, WW $8.90

Turpentine, Gum

(USDA, per gal., 7.2 lbs.)

Price	.53	...	.529‡	.525	.53
Sales	8,000¶†	...	32,000¶†	4,000¶†	8,000¶†

New York

l.c.l. 73c.

*Drums equivalent. †Tankcars. ‡Carlots. ¶Gallons. §Average price.

N.Y. PVLA Annual Meeting May 5

The New York Paint, Varnish and Lacquer Association has planned its annual meeting and election of officers May 5 at the Biltmore hotel at 6:30 p.m. The meeting will serve as a tribute to the retiring officers and a welcome to the newly-elected slate.

N.Y. Paint Technicians Map May 6 Meeting Plans

The New York Paint and Varnish Production Club will hold its next regular meeting May 6 at the Brass Rail Restaurant, 100 Park avenue, New York, at 6:30 p.m. The program will include a visit by the officers of the Federation of Paint and Varnish Production Clubs, the election of officers for the coming year for the New York club, a presentation of PaVaC awards and a talk by James W. Raynolds of General Electric Company on "Future Demands on the Paint Industry."

The PaVaC awards will be given to C. A. Aloia, Sigmund Ullman division of Sun Chemical Corporation; Carl L. Engelhardt, Brooklyn Paint & Varnish Company, and Louis J. Venuto, Binney & Smith Company.

C-D-I-C Paint Technicians Meet May 10 to Elect Slate of Officers

The Cincinnati-Dayton-Indianapolis-Columbus Paint and Varnish Production Club will meet May 10 at the Alms hotel, Cincinnati, to elect officers for the coming year. The slate to be voted on consists of:—Robert Lipp, Moran Paint Company, for president; William Foy, Foy Paint Company, for vice-president; Carl Opp, Interchemical Corporation, for secretary, and Harry Poth, jr., Dean & Barry, and Chester Olsen, Hanna Paint Company, for treasurer.

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Oils, Fats and Waxes

Trading in oils and fats lacked snap last week. Edible oils, while in slow demand remained on a steady basis, reflecting the firmness of soybeans. Corn, cottonseed and peanut oils remained firm, while soybean oil was sold by resellers at slightly lower levels.

Oilmeals were firm, with cottonseed, peanut and soybean meals reaching new highs. Linseed meal was scarce and strong. Producers were sold up for prompt shipment, and the market was controlled by resellers.

Crude coconut oil was easier and off fractionally here and on the Pacific coast. Copra was slightly lower off $2.50 per ton. Lard market reacted lower, declining about 1 cent per pound. Improved demand and light stocks sharply advanced oleo oil, oleo stearine and edible tallow.

An easier tone developed in tung oil due to limited demand and increased selling pressure. Light trading was reported at concessions. Oiticica oil also was easier, declining fractionally. Activity in linseed oil was confined to withdrawal of oil against former contracts, which has improved steadily. New business continued quiet, and asking prices could have been shaded for sizable quotations.

Tallow and greases were quiet, but maintained at former levels. Export inquiry was fairly active, with actual business limited. Domestic business also was light and spotty. Soapers showed some interest in replacements at slightly lower prices.

Price Trends

Advanced

Cottonseed meal, $1 per ton.
Oil, oleo, 4c. per lb.
Oleo stearine, 3c. per lb.
Peanut meal, $2 per ton.
Soybean meal, $3 per ton.
Tallow, edible, 2½c. per lb.
Wax, bees, crude, Cent. Am., 1c. per lb.
Chilean, 1c. per lb.
Ouricury, ref., 2c. per lb.

Reduced

Copra, $2.50 per ton.
Lard, 1¼c. per lb.
Oil, coconut, crude, ⅜c. to ½c. per lb.
Oiticica, ¼c. per lb.
Soybean, crude, ⅛c. per lb.
Tung, ½c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	May 1, 1953
123.44	120.29	108.68	94.13

(For Current Prices see page 9)

Vegetable Oils

Coconut—Market was quiet, and easier. Crude oil was lower at 13⅝c. per pound, tankcars, f.o.b. Pacific coast, May shipment, and 13c. June. Tankcars at New York were lower at 14½c. per pound, May delivery.

Corn—Offers of crude were limited and market was firm at 15c. per pound, tankcars, f.o.b. mills. Refined oil was maintained at 18¼c. per pound, tankcars, New York delivery.

Cottonseed—Bleachable cottonseed oil futures were unsettled last week, the market declining fractionally. New crop months scored the largest declines. Trading was mixed, lacking new feature. Refiners hedged in May and July against recent purchases of crude. May tenders totaled 21 contracts and were readily stopped. March consumption was up to expectations, totaling 3,470 tankcars, against 2,726 in February and 1,365 in March last year. Disappearance for eight months (August-March) amounted to 18,034 tankcars against 12,707 for the same period last year. Visible supply was estimated at end of March at 28,915 tankcars compared with 20,563 for the same time last year. Refined salad oil was firmer and quoted at 18c. per pound, tankcars, New York, prompt delivery. Crude oil remained steady, with trading at 14⅛c. to 14¼c. per pound tankcars, f.o.b. mills, Valley and 13¾c. to 13⅞c., Texas, as to location. Southeast was nominal at 14⅜c.

The government sold 3,000 tons of refined cottonseed oil at $280 per metric ton, c. and f. for shipment to Casablanca during July and August.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended April 30 follow:—

	Sales	Cents per pound High	Low	Close
May	54	16.70	16.30	16.60@16.70
July	132	16.40	16.03	16.20@16.25
September	12	15.15	14.72	14.83@14.95
October	3	14.50	14.45	14.30@14.50
December	13	14.65	14.20	14.23@14.40
1955, March	12	14.65	14.25	14.27@14.38

Total sales, 226 contracts.

Linseed—Lower flaxseed combined with slow demand unsettled the linseed oil market. Raw oil ranged from 14c. to 14.3c. per pound, tankcars, f.o.b. mills, depending upon seller. Firm bids it was intimated could have shaded this level for sizable quantities, in some directions. While new business was quiet, steady improvement was noted in the withdrawal of oil against former contracts.

Minneapolis.—Buying of linseed oil continued light the past week, though there appeared to be a bit more activity. There was some buying into July-August positions, but most coverage was for nearby by trade out of contracts. Raw linseed oil, tankcar basis, was quoted around 14c. a pound, f.o.b., Minneapolis, with concessions being made. Warehouse pricing base was 14.3c. a pound, bulk.

Shipments of linseed oil, in pounds, were as follows:—

	1953-54	1952-53
Past week	5,880,000	4,860,000
Since Sept. 1	205,380,000	233,730,000

Flaxseed—Flaxseed stocks in all positions April 1 totaled 27,400,000 bushels, compared with 19,500,000 bushels for the same time last year.

Minneapolis.—Cash flaxseed sold at as high as $3.98 a bushel the past week, reflecting meager offerings and fairly good demand for nearby needs. Trade in the futures market was narrow, with traders nervous as "intentions to deliver" cash grain against open May contracts were posted for the first time Friday. Actual purchases of cash flaxseed in the spot market amounted to only two cars and around 3,000 bushels out of store. Bookings "to-arrive" totaled 12 cars and in excess of 23,500 bushels in varied-sized lots.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1953-54	Receipts 1952-53	Shipments 1953-54	Shipments 1952-53
Past week	189,000	88,400	50,200	95,200
Since Sept. 1	15,603,900	12,352,100	3,156,900	2,580,950

Oiticica—Slow demand unsettled this market and quotations were off fractionally. Liquid was quoted at 17c. to 17¼c. per pound, tankcars, New York, prompt delivery. Drums were lower at 18½c. to 19c. per pound, depending upon quantity.

Peanut—Crude remained steady, with crude held at 17¾c. per pound, tankcars, f.o.b. mills following sales at ⅛c. less. Refined oil was maintained at 21½c. per pound, tankcars, New York basis.

Soybean—Crude market was unsettled and slightly lower. Trading was spotty. Sales were reported at 14¼c. per pound, tankcars, f.o.b. Decatur, May shipment. June-July sold at the same figure. October-December was 11½c. bid, same basis. Refined salad was held at 17¼c. per pound, tankcars, New York, prompt delivery.

Consumption of crude soybean oil in March totaled 3,509 tankcars, against 3,559 in February and 3,665 in March, 1953. Disappearance for 6 months (October-March) totaled 21,508 tankcars, against 21,487 for the same period last year. Visible supply was estimated at 11,056 tankcars.

Cottonseed Crush: March

Cottonseed received and crushed and production of cottonseed products during March and February, 1954, as compiled by Bureau of the Census, follows:—

Cottonseed

	March (Tons)	February (Tons)
Receipts at mills	50,278	112,794
Crushed or used	597,568	623,650
Stocks at mills	1,332,089	1,879,379

Crude Oil

	(Pounds)	
Produced	200,632,000	207,447,606
Stocks at mills	91,820,000	98,290,000

Refined Oil

	(Pounds)	
Produced	197,663,000	188,791,000
Factory and warehouse stocks	[1]1,186,640,000	1,177,790,000

Cake and Meal

	(Tons)	
Produced	379,134	324,425
Stocks at mills	167,315	146,897

Hulls

	(Tons)	
Produced	132,752	138,347
Stocks at mills	94,588	88,480

Linters

	(Bales)	
Produced	[2]188,968	196,548
Stocks at mills	[2]226,576	213,459

[1]CCC owned 890,028,000 pounds of refined cottonseed oil as of March 31, 1954.

[2]Includes 45,961 bales first cut; 137,452 bales second cut; and 5,555 bales mill run. Average gross bale weight:—Total, 509.0; first cut, 503.8; second cut, 513.1; and mill run, 503.3 pounds.

[3]Includes 121,816 bales first cut; 90,441 bales second cut; and 14,557 bales mill run.

For Late Market Developments, See Page 4

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cars, at the end of March, compared with 10,897 a year ago. Soybeans stocks at all positions April 1 totaled 117,294,000 bushels against 147,071,000 bushels, April 1, 1953.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended April 30 follow:—

	Sales	Cents per pound High	Low	Close
May	37	14.25	14.12	14.30@14.36
July	94	14.56	14.17	14.25@14.35
September	83	12.90	12.54	12.80S
October	25	11.85	11.62	11.82@11.85
December	5	11.50	11.35	11.50@11.68

Total sales, 180 contracts.

Tung—Trading continued light. Market was unsettled. Tankcars were generally quoted at 22¼c. per pound, New York, prompt delivery, with sales reported at about ¼c. less. Recent heavy imports from the Argentine have materially increased spot stocks. Arrivals last week at New York totaled 109 tons. Drums were lower, ranging from 23¾c. to 24¼c. per pound, as to quantity.

Miscellaneous

Castor Beans — Market was reported quiet, but steady. Shipments were quoted nominally at $105 per ton, f.o.b. Brazilian ports.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds Beans	Oil
Last week		1,002,000
Previous week	1,052,250	600,000
Corresponding week, 1953	2,342,850	1,490,000
Total this year	23,279,900	9,432,000
Corresponding period, 1953	49,924,650	36,648,700

Copra—This market was slightly lower. Shipments were quoted at $185 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Business was reported slow for domestic and export delivery. Market was steady at former levels. Yellow was held at 7c. per pound, tankcars, delivered; choice white, not all hog, 9¼c. to 9½c.; all hog, 11¼c.; house, 6¾c. and brown, 5½c., same basis.

Lard—Market reacted lower, declining sharply. Cash lard was lower at 19¼c. per pound, drums, Chicago.

Oleo Oil—Trading was quite active and prices were boosted to 22½c. per pound, drums, prompt delivery. Oleo stearine also was firmer, advancing to 16½c. per pound, barrels.

Tallow—Inedible grades were in quiet demand and quotably unchanged, while edible was boosted sharply to 15½c. to 16c. per pound, tankcars, delivered. Demand for this grade has steadily increased of late. Bleachable fancy was unchanged at 7¾c. per pound, tankcars, delivered, with soapers bidding ⅛c. less. Extra was held at 7½c.; special, 7¼c. and No. 1, 7⅛c., same basis.

FOA allocated $2,000,000 for tallow and animal fats for shipment to Italy, delivery date up to July 31 and $1,270,000 to Yugoslavia, delivery up to September 30.

Cake and Meal

Cottonseed Meal: Prices remained steady, although demand was less active. According to the report of CCC on April 22, it sold about 13,938 tons meal and slab cake during the week ended April 16. Total sales of meal and cake from the 1953 crop through April 16 were as follows: produced by the crushers, 123,352 tons; commercial sales, 7,295 tons; drought relief program, 274,773 tons; leaving inventory tonnage for sale of approximately 20,677 tons. Meal forty-one percent was offered at $74 per ton sacked Memphis, $78, Georgia, and $79, Carolina mills for immediate through May shipment.

Linseed Meal—Meal for nearby delivery continued scarce. Market firm.

Minneapolis.—The linseed meal market was a narrow and listless affair with nothing offered for nearby. Some resellers were offering extracted linseed meal, 36 percent protein, at $81 a ton, bulk, for last half May delivery, in carlots, f.o.b., Minneapolis. Expeller meal was unavailable and unquoted. Extracted meal was quoted by some crushers at $78.50 a ton for June and at $76.50 for July shipment. Talk was that these prices for June-July could be shaded a couple dollars a ton more. Shipments of meal continued good.

Shipments of linseed meal, in pound, were as follows:—

	1953-54	1952-53
Past week	11,700,000	9,180,000
Since Sept. 1	485,650,000	415,000,000

Peanut Feed Meal: Last week the government offered peanuts to produce approximately 600 tons of meal in the southeast. Peanut meal continued to advance with stronger soybean meal, although the supply still seems ample. Old process forty-five percent was quoted at $95 per

—*Continued on page 71*

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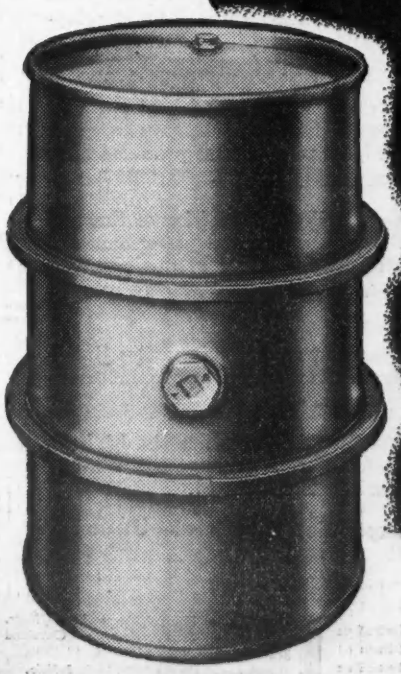

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Pitch—and
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PRODUCTION PINNED DOWN? CALL CONSOLIDATED

GET WANTED EQUIPMENT QUICK—AND AT SAVINGS, TOO

LIQUIDATION SALE

MACHINES INSTALLED APRIL 1953
PROCESS DISCONTINUED JULY 1953

1—PFAUDLER GLASS LINED REACTION KETTLE; jacketed, 200 gal., without agitator, 75 p.s.i. WP, clamped-on top.
2—Industrial Pressure Leaf Filters, Model 2-RDR and Model 3-RDR, both series 30-3630. Each 24 sq. ft., 5 leaf.
1—Baker Perkins "TERMEER" Continuous, all S/S Centrifugal, 12" basket, XP motor, Model S-12.
1—ALL MONEL ENZINGER FILTER: jacket., 24" ID, 8 monel leaves, 75 psi. 38 sq. ft., filtering area.
1—5' dia. x 9'6" Copper Vacuum Pan, C.I. jacket, also steam coils.
1—500 gal. jacketed agit. Steel Kettle, XP motor, 60 psi jacket; heresited.
3—250 gal. Welded Steel Mixers, 42" x 42", heresited interiors.
1—Spencer Turbo Blower, 450 cfm, 8 oz.
1—48" Bertram Vaneaxial Fan, 53,070 cfm at 3" s.p., 40 HP XP motor.

Including many Condensers, Haveg pipe, XP motors, Duriron & SS Pumps, etc.

WIRE, PHONE, WRITE ARRANGE TO INSPECT

PIN POINTED SAVINGS

3—#12 Sweetland Filters, 48 bronze leaves, monel covered, on 3" c.c. Hydraulic Hoist, M.D. Sluicing Device. 642 sq. ft. filtering area. Excellent condition.
1—Read Standard horiz. dbl. ribbon Mixer, center disch., 8'x36" x 42", 2,000#, 480 gal., practically new.
1—S. W. 5'x10' stainless single Drum Dryer, 100#, m.d.
1—#28 Devine Vacuum Shelf Dryer, 20-59"x78" Shelves, pump & condenser.
1—Troy 6"x14" high speed 3-roll mill roller bearing m.d. late type.
1—Shriver 42"x42" Iron Filter Press, plate & frame, 18 chambers, 1" cake.
12—Sperry 18"x18" Iron Filter Presses, 12 chambers.
4—Mikro Pulverizers, 4TH, 2S1, Bantam SH.
7—Pebble Mills, 800 gal., 6'x8'; 235 gal., 5'x4'; 125 gal.; 50 gal.; 25 gal.
1—6'6"x12' Rotary Granulator or Dryer.
3—3'x50' Rotary D. H. Dryers or Coolers.
3—Mojonnier S/S Vac. Pans, 3', 4', 6'.
3—Anco 4'x9' Chilling Rolls.
3—B & J Rotary Cutters, #2, #1.

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Many plants require prompt repairs to keep in production. Consolidated extends its enlarged shop facilities to fill this need.

We recondition thoroughly and promptly HEAVY PROCESSING EQUIPMENT including Banbury Mixers, Baker Perkins Mixers, Rubber Mills, Calendars, Filters, Jacketed Reactors, etc.

We also repair and build Pressure Vessels, Jacketed Kettles, Vulcanizers meeting code requirements.

TUBULAR EQUIPMENT

We have on hand one of the largest stocks of tube sheets, cupro nickel, admiralty and aluminum tubes, plain and finned, enabling us to give you immediate service.
Repairs may be done in our shops or our crews will visit your plant for retubing and repair of Heat Exchangers, Condensers and other types of tubular equipment.

METAL SPRAYING

We are fully equipped to do metal spraying in a broad variety of metals at our plant or on your premises.
Our 37 years of experience in rebuilding and furnishing a broad line of EQUIPMENT to the PROCESS INDUSTRIES is your best assurance of satisfaction. No matter how urgent your requirements, we are ready to serve you.

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Cable Address: "Equipment" Hoboken, N. J.

EQUIPMENT

for CHEMICAL AND ALLIED INDUSTRIES

1—Buflovak Double Drum Cast Iron Dryer, 24" x 24" complete with motor and drive.

1—Eppenbach stainless steel colloid Mill, Model No. QV-8.
1—Buflovak stainless steel double drum dryer, 6" x 8".
2—Buflovak double drum dryers, 24" x 36".
1—Buflovak double drum dryer, 32" x 90".
7—Buflovak single door vacuum shelf dryers, 20 shelves each.
1—J.P. Devine double door vacuum shelf dryer, 13 shelves.
1—J.P. Devine single door vacuum shelf dryer, 10 shelves.
1—Buflovak Type 347 stainless steel rotary vacuum dryer, 5' x 20'.
2—Aluminum vertical storage tanks, 10,000 gal. each.
1—Aluminum vertical storage tank, 4000 gal.
1—A.O. Smith stainless steel pressure storage tank, 7500 gal.
2—Stainless steel storage tanks, 7200 gal. each.

1—Sperry Stainless Steel Jacketed Plate and Frame Filter Press, closed delivery, 13 chambers.

1—Combustion Engineers stainless steel jacketed autoclave, 500 gal.
1—Nooter stainless steel jacketed vacuum reactor, 500 gal.
2—Stainless Steel jacketed vacuum kettles, 150 gal. each.
1—L. O. Koven stainless steel 50 gal. jacketed vacuum reactor.
1—Steel & Alloy Tank Co. 50 gal. stainless steel jacketed vacuum reactor.
2—Tolhurst solid curb stainless steel centrifuge 20" and 26" perforated baskets.
1—DeLaval type 316 stainless steel Multi Matic centrifuge.
1—Sharples type 316 stainless steel Super-D-Hydrator.
1—Lummis stainless steel heat exchanger, 130 sq. ft.
2—Haveg 2000 gal. storage tanks.
1—Type 347 stainless steel storage tank, 1500 gal.

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UNION, N. J. Est. 1886 Unionville 2-4900

ANNOUNCEMENT

In order to better serve our customers in the South and Southwest, we are pleased to announce the opening of our Texas office at 4101 San Jacinto, Houston 4, Texas, telephone Justin 6032.

1—SHARPLES P-14 SUPER-D-CANTER 316 S.S.
1—SHARPLES DH-2 NOZLJECTOR CENTRIFUGE 304 S.S.
1—SHARPLES C-20 SUPER-D-HYDRATOR 316 S.S.
3—SHARPLES P-16 MONEL and stainless steel Pressurite Super Centrifuges.
1—BIRD 40" SUSPENDED CENTRIFUGAL, stainless steel perforated basket, motor driven.
1—BIRD 40" SUSPENDED CENTRIFUGAL with rubber covered imperforate basket, bottom discharge, motor driven.
1—EIMCO 4'x5' ROTARY VACUUM FILTER.
1—#12 SWEETLAND FILTER with 36 stainless steel covered leaves.
1—#7 SWEETLAND FILTER with 27 leaves.
4—SHRIVER 30" x 30" c.i. Filter Presses P&F, 30 chambers, open delivery, washing type.
3—PFAUDLER 500, 300 and 100 gal. glass-lined, jacketed, agitated Reactors.
1—2,800 gallon 6'x12' Storage Tank 316 stainless with steam coils.
1—HERSEY 3'x26' stainless steel HOT AIR ROTARY DRYER.
1—F. L. SMIDTH 4'x30' ROTARY KILN, ⅜" shell, welded construction.
1—DEVINE 2'x4' VACUUM DRUM DRYER, 316 S.S.
2—F. J. STOKES ROTARY VACUUM DRYERS, 3'x15' and 30"x8'.
2—LEE 6' x 6' closed S.S. agitated Tanks 50# pressure.
1—LINK BELT 7'5"x20' ROTO-LOUVRE DRYER, 316 S.S.
2—LINK BELT steel, 2'7"x10', 3'10"x16' ROTO-LOUVRE DRYERS, S.S.
1—LINK BELT, Monel 2'7"x8' ROTO-LOUVRE DRYER.
4—ABBE 6'x10' porcelain lined, jacketed PEBBLE MILLS.
1—JEFFREY 30"x24" Type A, HAMMER MILL with 30 HP motor.
5—MIKRO PULVERIZERS #2DH, #2TH, #15H, #15I Bantem.
1—WILLIAMS "SUPER TITAN" 5 Roll Mill.
1—RAYMOND 5 Roll HIGH SIDE MILL.
2—HARDINGE 6'x22", 4½'x16" CONICAL STEEL LINED MILLS.
1—BAKER PERKINS 290 gal. double arm MIXER, 304 S.S.
1—BAKER PERKINS 50 gal., Type JEM, double arm, JACKETED MIXER, 50 HP motor.
2—BAKER PERKINS 100, 50 gal. double arm, JACKETED MIXERS, Sigma Blades.
1—BAKER PERKINS 35 gal. stainless steel, double arm, JACKETED MIXER, Sigma Blades.
4—SIMPSON INTENSIVE MIXERS #0 and #00.
2—#42 ROTEX SIFTERS, 40"x84" double deck Screens.
6—STOKES DD2, DD52, D4, D3, B2 and R Tablet Machines.

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STAINLESS STEEL TANKS

1—6000 gal. Vert. T304—Used.
1—5700 gal. Horiz. T304—NEW.
2—5000 gal. Vert. T304—Used.
1—4500 gal. Vert. T304—NEW.
1—3000 gal. Vert. T304—NEW.
1—3000 gal. Horiz. T304—Used.
1—2000 gal. Vert. T304—NEW.
2—1000 gal. Vert. T304—NEW.
3—1000 gal. Vert. Square—Used.
40—From 15 gal. to 500 gal.
1—T316 Bin or Hopper, 6'9" x 6'9" x 10' H, 275 cu. ft.
1—T304 Kettle, 550 gal., Steam Jacketed, closed.

JUST PURCHASED

1—Oliver Precoat Rubber Lined Vacuum Filter 5'3" x 3', closed pressure housing.
1—700 sq. ft. Shell and Tube Condenser, Bronze and T316 St. St.
1—Pfaudler 100 gal. Glass Lined Reactor, Jktd. & Agit.
1—Pfaudler 2 gal. Glass Lined Reactor.
1—100 gal. St. St. Kettle, Jktd. & Agit.
2—Blaw-Knox ½ gal. Stainless Steel Autoclaves, 2000# Pr.
1—Readco 1 Qt. Double Arm Sigma Blade Jktd. Mixer, St. St.
1—Day 10 gal. Double Arm Jktd. Mixer, Sigma Blades, St. St.
1—Tolhurst Susp. Centrifugal, 26" dia. steel imperf. basket.
1—Double Drum Dryer, 24" x 38", St. St. covered.
1—Rotex Screen, 20" x 81", 3 deck.
1—Stokes "F" Tablet Press.
1—Stokes "E" Tablet Press.
2—Mikro Pulverizer, St. St. Bantam and #1—SH.
1—Patterson Porcelain Lined Pebble Mill, 21" x 33".
1—Patterson St. St. Conical Blender, 20" dia. x 24".
1—Shriver 24" Filter Press, 24 ch.
1—Sperry 12" Filter Press, 5 ch.
1—DeLaval LA-11 Centrifugal.
2—St. St. Shell & Tube Condensers, 60 sq. ft.
1—B & J Rotary Cutter, Std. Ideal, St. St.
8—Vertical Agitator Drives, 70 rpm, 40 HP.
1—6' D x 8' L Porcelain Lined Pebble Mill.
4—Horiz. Double Ribbon Mixers, 100, 50, 40 cu. ft.

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BIRD CONTINUOUS CENTRIFUGE—36"x50"—S.S. TYPE 304.

AGITATORS-LIGHTNING, 25—1/3 to 3 HP. SS Shafts and Props. XP.
COLLOID MILLS—ALL SS Construction, 3", 6", & 10". With Motors.
FILTER PRESS—SHRIVER, 30"x30", C.I. 24-3" Frames.
KETTLES—GROEN, All SS, 100 PSI Jackets, 2—NEW 50 Gal., 2—60 Gal.
KETTLES—250 Gal. Steel, Jacket 100 PSI, ASME Code. New.
MIXERS—Double Arm Sigma Blades, SS Arms & Trough; 12, 30, 60 & 200 Gal. Jacketed 100 PSI.
TANKS—SS 304, 316 & 347; 35, 300, 1,000 & 3,000 Gal.
W. P. 100 gal. MIXER, jacketed, Sigma blades.
HEAT EXCHANGERS—Steel, copper, and S.S. up to 400 sq. ft.
LEAD LINED TANKS—400 gal., 1500 gal., closed.
RUBBER LINED TANKS—125 gal. to 500 gal.
MILL, LEIMAN—3 roll ink, 16"x40".
MIXER—Dry Powder 600#, S.S., 3 H.P.
Fabricators of New Stainless Steel Alloy Chemical Equipment ASME Code.
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Devine #12 Vac. Shelf Dryer, 40"x42".
5 x15 Rotary Kiln brick lined complete.
2—Allbr. Nell 4 x9 Atmos. Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20".
6—Steam, gas & elect. Dryers.
8—Rotary Dryers Direct & indirect. Also Jacketed & Steam Tube.
New Rotary Dryers. Kilns and Coolers

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4—Tolhurst 40" Suspended Type Centrifugals Bottom Discharge
8—Centrifugals, 12", 20", 26", 30", 40" & 48" Steel, Copper, Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges. 2 HP. Also Sharples #6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.
Shriver 30"x30" Iron P&F Filter Press.
10 Sperry and Shriver, 12" 18" 24" 30" 36" iron Filter Presses, also disc types.
Sweetland & Oliver Vac. Filters.

KETTLES AND TANKS
Dopp 350 gal. Agit. Jack CI Vac Kettle.
100 gal. Stainless closed Jack. Agit. Kettle
Pfaudler 500-gal. vert. Glass Lined Tanks.
Devine 36" dia. Impreg Unit, complete.
100 gal. Jack. impregnating Kettle
500 & 1,000 gal. closed Jack. Steel Kettles.
2300 gal. vert agit. Jack. Steel Kettle.
8—Jack Kettles, 50 to 2500 gals.
1—250 gal Lead lined Kettle.
5—American Tool 300 gal. Churns.
1—250 gal. Jacketed Copper Kettle.
Stainless, alum., copper, Glass lined, lead lined and steel kettles and tanks.
New Stainless Tanks built to order.
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PULVERIZERS AND MILLS
Patterson Pebble Mills, 6'x8', 6'x5', 30"x42".
Abbe 24"x33" & 30"x36". Jar Mills.
Abbe 25 gal. steel encased Jar Mill.
#1 Raymond Autom. Pulverizer, 20 HP.
1#00 Raymond Mill 30 H.P., complete.
9—#0000 Raymond Mills.
Williams #3 & 2XX heavy duty Hammer Mills.
Williams 5 Roll Super Titan Roller Mill.
Ball & Jewell #1 & #000 Rotary Cutters.
Buchanan 12"x12" Jaw Crusher.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
2—Robinson 18" & 22" BB Attrition Mills.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22" 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill. 3 pr. high. Also 7½x20. 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill
Houchin 18"x30" 4 Roll Granite Stone Mills.
2—U. S. & Premier 1½ H.P. Colloid Mills.

MIXERS, SIFTERS & SCREENS
Baker Perkins double arm Mixers, 100, 50 & 9 gal. Also single arm Mixers.
Century 40 & 80 qt. vert. 4 speed Mixer.
Tyler 3'x3' Vibratory 2 deck Screen.
Patterson 3½' dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender
Day 1000# Steel Powder Mixer M.D.
10—Dry Powder Mixers, 50 to 3,000 #.
4—Day 2½, 8, 15 & 40 gal. Pony Mixers.
1—Ross type 150 gal. change Can Mixer.
15—Portable Elec. Mixers. ¼ to 3 HP.
6—Lead and Paste Mixers. to 150 gals.

MISC. AND SPECIALS
Stokes #280, 4" dia. Preform Machine
Sperry 36" sq. iron Filter Presses Hydr. Closing.
Anderson & French Oil Expellers.
Sly Dust Collector, 242 sq. ft., complete.
3—Buffalo Horiz. Vac. Pumps, 5 H.P.
5—Stokes & Colton Rotary and Single Punch Tablet Machines. ½ to 4"
Kane 2 H.P. Gas Boilers, 200# pressure.
1—Knapp Model S Can Labeler M.D.
3—Stokes and Day Powder Fillers.
Samco Jr. Vac. liquid Filling Machine.
Filling Machines & Labelers.
Pneumatic Scale Automatic Capper.
1—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36" dia.
1—Gould 75 HP 2 stage centrif. Pump.
2—Worth 12"x12"x12" Vac. Pumps
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A SQUARE CITY BLOCK FILLED WITH GOOD EQUIPMENT FOR YOUR INSPECTION

★ Baker Perkins Type 316 Stainless Ter-Meer Continuous Centrifuge No. S12 with 7½ H.P. AC motor.
★ Lancaster MixMuller Model EAG4 complete with hoist and all accessories; 10 H.P. AC motor.
★ Readco 210 Gal. Jacketed Double Ribbon Mixer; extra heavy; 30" x 33" x 68".
★ Sperry 36" x 36" Aluminum Closed Delivery Filter Press with 33 chambers.
★ Baker Perkins Heavy Duty Double Arm 200 Gal. Mixer Serrated Shredder Type Blades; Type BB17 VII/H; 42" x 53" x 42".
★ Louisville Steam Tube Dryer 54" x 40' with Cooler 38" x 20' complete.
★ Combustion Engineering Two Stage S.S. Flash Drying System: 1000 pounds evaporated per hour.
★ 4 Cast Iron 1400 Gal. Sulphonators 79" x 74½" with coils cast into the jacket walls; with or without scrapers.
★ Rotary Jacketed Vacuum Dryer; 52" x 102"; 10 H.P. motor drive; with Dust Collector and accessories.
★ Mojonnier Stainless Steel Vacuum Pan; 3' x 10' with Stainless Colandria section.
★ Stainless Steel Double Ribbon Mixer; steam jacketed; 40 cu. ft. 32" x 96" brand NEW; now in New York stock.
★ Sprout Waldron Stainless Steel cylindrical continuous ribbon Mixer; 28" x 12' arr. for motor drive.
★ Hardinge Conical Ball Mill; 10' x 48".
★ Fitzpatrick Stainless Steel Model D Comminuting Machine.
★ Reitz Model DK18 Stainless Steel Disintegrator; 50 HP.
★ Mikro No. 4 F Pulverizer; requires 40 H.P. motor.
★ Squier Stainless Rotary Atmospheric Dryer; 30" x 20' long.
★ Zaremba INCONEL Double Effect Evaporator; complete with accessories; 60" x 17' and 84" x 15'6"; prints available.
★ Swenson Quadruple Effect Evaporator; Long tube Vertical Film type; complete . . . lesser effects sold separately; print available.
★ Stainless Steel Bubble Cap Column; 16 sections; 8⅓" x 19' with Stainless Steel Condenser.
★ Croll-Reynolds Vacuum Evaporator of MONEL; 30" x 5' with 2 stage Evactor.
★ Paterson Buhrstone Lined Pebble Mills; 5' x 8'; 6' x 6' and 6' x 8'.
★ International 8' x 8' Porcelain Lined Pebble Mill with 50 H.P. gear head motor.
★ Lancaster Stainless Lined Rotary Reactor Jacketed for 150 PSI and Internal Pressure 300 PSI; 50" x 17'.

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SALE STARTS ON MAY 13, 1954 10:30 A.M. E.D.T.

Partial Listing Below

2 Karbate 100 sq. ft. Condensers—NEW
18 Stainless Steel Condensers, 10 to 250 sq. ft.—some new
3 Copper Condensers, 400 sq. ft.
2 Ross lead-lined Condensers, 26 and 232 sq. ft.
2 100 gallon Stainless Steel jacketed agitated kettles
15 Pfaudler 60 and 150 gallon glass-lined jacketed evaporating Pans
4 Pfaudler 500 and 750 gallon closed jacketed agitated glass-lined Reactors
5 Pfaudler 500 to 1000 gallon O.T. jacketed glass-lined Kettles
1 Pfaudler 30 gallon glass-lined jacketed agitated Reactor—NEW
3 50 to 150 gallon Stainless Steel Stills (jacketed)
1 Niagara 100 sq. ft. Stainless Steel Filter—NEW
2 Sparkler Hastelloy and Stainless Filters
5 Devine & Stokes vacuum shelf Dryers, 3 to 11 Stainless Steel Shelves—NEW
2 Shriver 30" and 24" plate and frame C.I. closed delivery Filter Presses—NEW
3 Shriver 24" solid rubber 4 eye closed delivery Filter Presses
2 Shriver 18" all bronze plate and frame Filter Presses
4 Mikro No. 2SP Pulverizers, motor driven
1 Raymond No. 40 Stainless Steel Imp Mill
4 Fletcher 40" and 48" rubber covered Center slung perforated basket Centrifugals
2 AT&M and Tolhurst 30" and 36" rubber covered centerslung perforated basket Centrifugals
1 Tolhurst 30" steel centerslung perforated basket Centrifugal—NEW
1 Fletcher 48" bronze centerslung perforated basket Centrifugal
2 500 gal. type 316 stainless steel vacuum receivers
1 600 gal. type 304 stainless steel vacuum receiver
1 300 gal. lead lined agitated tank
1 300 gal. type 316 stainless steel jacketed still
1 Pfaudler 62 sq. ft. glass-lined Condenser
2 7500 gal. stainless steel horizontal storage tanks
10 Stainless steel 6" to 16" columns
1 Stainless steel 18" dia. x 29' high column
2 Digesters, steel, jacketed, agitated, horizontal, 8' x 16' and 5' x 10' ASME code
1 Steel Pressure tank 8' x 20' long
3 Rubber lined storage tanks, 1000 gal.
1 Lead lined storage tank, 8' x 7', 2900 gal.
3 Link-Belt and Creasy Ice Breakers
5 Jet Condensers 2 and 3 stage

Descriptive Folder On Request

30 Agitator drives—Lightnin and Nettco, ¼ to 30 HP, most new
10 Compressers—York Ammonia and Freon, ¼ to 60 ton
1 Stokes, #43A Oscillating Granulator—all stainless
2 Abbe Blutergess Sifters, #3
70 Pumps—Worthite, Duriron, Shriver, Lapp, Stokes, Kinney, Nash, Beach-Russ, stainless, rubber, bronze and cast iron
15 Blowers—Sturtevant, Clarage and Buffalo, motor driven, 50 to 7000 cfm
1 Lydon 8 compartment dryer, 20' wide x 51" long x 61" high
7 Dryers—P & S and Cinco—electric and steam—laboratory to production size
3 Ampoule fillers
150 Motors ¼ to 30 HP—explosion proof and TEFC—3/60/220/440 volt

MISCELLANEOUS

Scales; Lectrodrier; Incubators; Portable and Stationary Elevators; Gasometers; Generators; Chain Hoists; Evaporators; Hoppers; Steam Traps; Crucibles; Shakers; Gear Reducers; Separators; Acid Washers; Turbines; Dust Collectors; Lift Trucks; Vibrating Feeders; Electric Furnaces and many more items too numerous to mention

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1—750 gal. coiled and agitated reactor.
3—300 gal. jacketed and agitated reactors.
1—1000# Sprout-Waldron jacketed horizontal ribbon mixer.
3—2200 gal. closed tanks.
1—2' x 4' Buffalo rotary vacuum drier.
1—20" Fletcher suspended centrifuge perforated basket.
1—26" Tolhurst suspended centrifuge solid basket.
1—12,750 gal. closed vertical tank.
1—625 gal. Stokes vacuum still.
1—25 cu. ft. International conical blender.
4—3' x 8' and 2' x 8' single deck screen.
4—Sections 12" screw conveyor—9 to 30' (New).

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BARATTE—Baker Perkins, 100 gal. vac.
CENTRIFUGES—40" Steel & SS. (2). Sharples Nozliector, #DH2, SS. Sharples Super D-Canter, #PY14, SS. Bird 40" Susp., perf. basket, SS 347, 25/6.2 HP.
CLASSIFIER—Duplex, Dorr.
COLUMN—4'x49'3"x⅜" Bubble Cap.
COMPRESSORS — 15½"x9"x10" 504 CFM, 100#. Ammonia 3"x3".
CONDENSERS—Steel 1,035 sq. ft. 4 pass (2); 5,740 sq. ft.; 1,024 sq. ft. 8 pass, (2) SS 216 & 2,943 sq. ft.
CRYSTALLIZER—12"x10' Screw, jkt'd.
DIGESTER—3,900 gal., jktd., & agit., steel.
DRYERS—Rotary, Vacuum—30"x8', 5'x30', 7'x20' (2), Drum—single 5'x6'. Conveyor—2'x28'9", 16'x85', SS 8'x94'; Steam Tube—6'x35'.
FILTERS—Rotary Vac—11'6"x18', 11'6"x14', 8'x12', 8'x10'.
KILNS—3'x25', 4'x30', 5'x30', 5'x67', 7'x45', 7'x60', 7'x120', 7'x160', 8'x125', 9'x80'. Roto-Louvres—705-20 SS, 310-16, Steel, 310-16 SS, 207-8 Monel.
MILLS—Ball 6'x8' (2); #1 Raymond, with double whizzer, complete.
REACTORS—SS, Steel, Cast Iron, 75 to 3,000 gal.
REBOILER—84"x16'x⅜", 2,200 sq. ft., 40 PSI.
SIFTERS—Vibrating, 2'x4' to 4'x10'.
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Baker Perkins 18-DIM Mixer, 300 gal. working, SS 304, double sigma blades, 30 HP motor.

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9—Devine 17 & 20 Shelf Double Door Vac. Shelf Dryers, 59"x78".
1—Double Drum Dryer, 48"x108".
1—Bird 48" S.S. Sus. Style Cent. M.D.
1—ATM 36" S.S. Sus. Style Cent. M.D.
1—Day 15 Gal. D.A. Jack Kneader.
1—B.P. 20 Gal. D.A. Jack Mixer, 10 H.P.
3—Pf. Reactors, Glass Lined 100 & 500 Gals.
1—Autoclave, 110 Gal., 2000 psi.
2—Sperry 24" C.I. Presses 4 Eye 40 Ch. 2" Cake, Hyd. Closures.
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1—Day Roball 40"x120"—Triple Screen.
2—Alum. Cols. Bubble Cap 27" & 36".
1—Buflovak 6' Vac. Jack. Crystallizer.
1—Mikro 2TH Pulv. 15 H.P. Motor.
1—Keeler 350 H.P. Boiler 160 psi.
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1—Rubber Lined Tank, 3500 Gal. Closed.
1—Resina "LC" Automatic Screw Capper.
1—Double Drum Dryer, 4'x9'.
1—Standard 429 Gluer & Sealer.
8—S.S. Jack. Kettles, 125 to 300 Gallons.
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METUCHEN 6-0245

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1—Copper Evaporator, steam jacketed, 9'1"x3'9".
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50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Jeffrey Vibrating Conveyor 15' lg. 12" wide.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
2—Nash Air Compressors, Type AL-823.
1—Manton Gaulin Stainless Homogenizer, 125 gph.
3—French Oil Mill Lard Cookers.
1—Shriver 18" Aluminum Filter 9-plates 9-frames.
15—Heat Exchangers (some stainless steel).
1—Kennedy-Van Saun Rotary Dryer, 4'x40'.
Davenport Rotary Steam Tube Dryer, 5'x36'.
1—Gruendler Hammer Mill, 10 H.P.—New.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
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1—Patterson Ball Mill, porcelain lined, 17"x27".
1—Patterson Ball Mill, 42x36, jacketed.
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Robinson Ribbon Type Mixer, 30"x10'—like new.
6—Steam Jacketed Blackburn-Smith Filters.
2—Crystallizers—10' long.
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1—300 gal. Double Arm Mixer—jacketed.

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Wolf, Jacques, & Co. 53
Wolf-Perry Machinery Co. 70
Wyandotte Chemicals Corp. 39

Ziegler, G. S., & Co. 64
Zink & Triest Co. 60
Zinsser & Co., Inc. 45

Oils, Fats and Waxes

—Continued from page 66

ton sacked f.o.b. Georgia points and solvent at $93 f.o.b. for South Alabama for April-May shipment.

Soybean Meal: Prices were higher, and quoted at $104 per ton bulk Decatur, only $3 per ton below the record price established in August, 1947. Demand for meal continued fairly good, but higher prices were the result of the bullish soybeans market. Heavy exports of soybeans this season, along with a good crush and heavy demand for beans for planting has caused a shortage in carry-over. A few mills in the Mississippi Valley that were exporting most of their beans are now planning to crush during May and are offering at $106 per ton bulk f.o.b. Mississippi Valley shipping points. Buyers continued to operate on a hand-to-mouth basis.

Waxes

Carnauba—Consuming demand was limited to fill-in needs. Market was steady, reflecting the firmness of replacements from Brazil. Less selling pressure was noted in the local market. No. 3, Ceara crude, was quoted at 82c. to 84c., while refined ranged from 85c. to 88c. per pound, as to quantity, No. 1 yellow Ceara was unchanged at $1.14 to $1.16 and Parnahyba, $1.18 to $1.20 per pound.

Ouricury—Trend of prices continued upwards. Refined was lifted to 95c. to 97c. per pound, spot, as to quantity. Trading was quiet. Stocks were scarce.

Trade BPC Mark

Fine Chemicals

PHARMACEUTICAL CHEMICALS

AMINOACETIC ACID
AMINOPHYLLINE
AMPHETAMINE (base and salts)
BENZOCAINE
BENZYL ALCOHOL
CHLORBUTANOL
8-HYDROXYQUINOLIN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PENTOBARBITAL SODIUM
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SECOBARBITAL SODIUM
THEOPHYLLINE

AROMATIC and FLAVORING CHEMICALS

BENZYL ALCOHOL
CINNAMIC ACID
DIACETYL
ETHYL PHENYL ACETATE
PHENYL ACETIC ACID

TECHNICAL CHEMICALS

BENZALDEHYDE
BENZOIN
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
CYANOACETAMIDE
DIBENZYL ETHER
DIPHENYLACETIC ACID
ETHYL CYANO ACETATE
GLYCINE ETHYL ESTER HYDROCHLORIDE

SPECIALTIES FOR PENICILLIN MANUFACTURERS

METHYL PHENYL ACETATE
N,N'-DIBENZYL ETHYLENE DIAMINE DIACETATE
PHENYLACETAMIDE
BETA PHENYLETHYLAMINE
POTASSIUM PHENYL ACETATE SOLUTION
PHENYL ACETIC ACID

MALONATES

ALLYL-1-METHYLBUTYL DIETHYL MALONATE
n-BUTYL DIETHYL MALONATE
ETHYL-DIETHYL MALONATE
ETHYL-1-METHYBUTYL-DIETHYL MALONATE
ETHYL-1-METHYLPROPYL-DIETHYL MALONATE
ETHYL-PHENYL-DIETHYL MALONATE
1-METHYLBUTYL-DIETHYL MALONATE
1-METHYLPROPYL-DIETHYL MALONATE
PHENYL DIETHYL MALONATE

NEW INTERMEDIATES

α-ACETYL-α-TOLUNITRILE (α-Phenylacetoacetonitrile)
ALLYL ACETONE (5-Hexen 2-one)
BENZILIC ACID
CHRYSANTHEMUM-MONOCARBOXYLIC ACID ETHYL ESTER
2,5-DIMETHYL HEXADIENE-1,3
2,5-DIMETHYL HEXADIENE-2,4
ETHYL-α-ALLYLACETOACETATE (Ethyl-2-Acetyl-4-Pentenoate)
PHENYL ETHYL ACETIC ACID (α-Phenyl Butyric Acid)
1-PHENYL-2-PROPANONE (Phenyl Acetone)
TRIGLYCOLLAMIC ACID

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